

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082620\
 Data File : VV018099.D
 Acq On : 26 Aug 2020 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB82

Quant Time: Aug 27 01:50:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 26 11:58:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	270552	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	267262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149202	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97796	47.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.76%
7) Chloroethane-d5	1.58	69	84896	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.54%
11) 1,1-Dichloroethene-d2	2.12	63	198922	50.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.76%
21) 2-Butanone-d5	3.91	46	123036	91.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.00%
24) Chloroform-d	4.37	84	187245	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
26) 1,2-Dichloroethane-d4	5.05	65	122806	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.64%
32) Benzene-d6	5.07	84	370821	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.68%
36) 1,2-Dichloropropane-d6	6.09	67	119249	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.04%
41) Toluene-d8	7.33	98	343078	51.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.58%
43) trans-1,3-Dichloropropene-	7.64	79	58605	53.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.32%
47) 2-Hexanone-d5	8.11	63	70740	91.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.54%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	151822	48.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	142154	48.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	98532	47.173	ug/L 100
3) Chloromethane	1.25	50	111294	45.868	ug/L 100
5) Vinyl chloride	1.32	62	117329	48.805	ug/L 100
6) Bromomethane	1.53	94	69918	48.662	ug/L 99
8) Chloroethane	1.60	64	76625	49.938	ug/L 100
9) Trichlorofluoromethane	1.76	101	172900	50.349	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	101816	53.100	ug/L 97
12) 1,1-Dichloroethene	2.13	96	93282	51.399	ug/L 95
13) Acetone	2.19	43	163109	116.800	ug/L 99
14) Carbon disulfide	2.31	76	245393	49.127	ug/L 100
15) Methyl Acetate	2.44	43	105512	46.819	ug/L 100
16) Methylene chloride	2.52	84	108281	46.832	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	95772	51.337	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	313918	50.880	ug/L 99
19) 1,1-Dichloroethane	3.21	63	195034	51.993	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	106669	52.032	ug/L 97
22) 2-Butanone	3.99	43	170006	108.517	ug/L 99

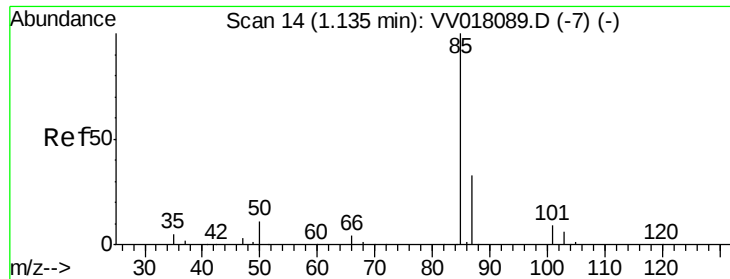
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082620\
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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 26 11:58:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	56833	53.067	ug/L	96
25) Chloroform	4.40	83	206158	53.882	ug/L	99
27) 1,2-Dichloroethane	5.15	62	154252	50.651	ug/L	98
29) Cyclohexane	4.70	56	157769	48.911	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	169392	51.721	ug/L	99
31) Carbon tetrachloride	4.85	117	146832	53.854	ug/L	99
33) Benzene	5.12	78	418281	50.586	ug/L	100
34) Trichloroethene	5.93	95	110770	50.681	ug/L	98
35) Methylcyclohexane	6.15	83	162940	50.136	ug/L	99
37) 1,2-Dichloropropane	6.19	63	114992	50.995	ug/L	100
38) Bromodichloromethane	6.53	83	148587	53.049	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	168863	52.824	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	282415	95.805	ug/L	100
42) Toluene	7.41	91	448683	52.002	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	170547	56.230	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	107372	51.417	ug/L	99
46) Tetrachloroethene	7.99	164	85485	53.330	ug/L	99
48) 2-Hexanone	8.15	43	241161	101.453	ug/L	99
49) Dibromochloromethane	8.26	129	119047	58.404	ug/L	98
50) 1,2-Dibromoethane	8.37	107	109653	50.752	ug/L	96
51) Chlorobenzene	8.90	112	290246	52.304	ug/L	97
52) Ethylbenzene	9.03	91	494333	52.545	ug/L	100
53) m,p-Xylene	9.16	106	185738	53.679	ug/L	100
54) o-xylene	9.56	106	177374	51.873	ug/L	96
55) Styrene	9.58	104	324250	55.373	ug/L	100
56) Isopropylbenzene	9.95	105	485225	53.790	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	160408	49.328	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	135631	48.702	ug/L	100
61) Bromoform	9.75	173	83932	59.452	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	244670	51.569	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	250805	51.458	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	245181	50.207	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33424	46.454	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	194456	53.953	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	174599	55.100	ug/L	100
69) Naphthalene	13.52	128	438995	50.263	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	175016	54.311	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 47.173 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

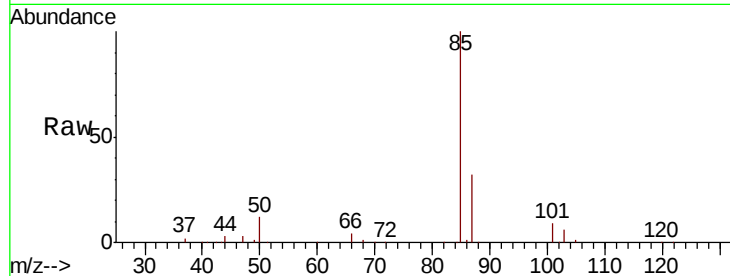
BFB82

Tot Ion: 85 Resp: 98532

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018089.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018089.D (-7) (-)

1.14

120000

100000

80000

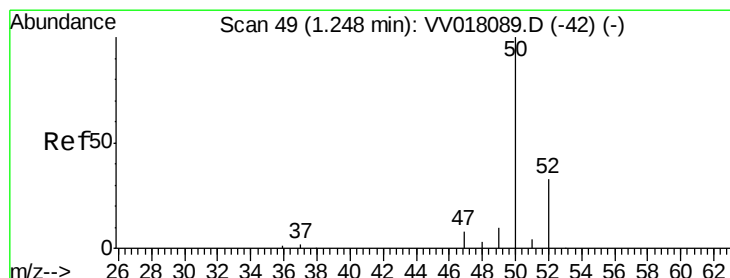
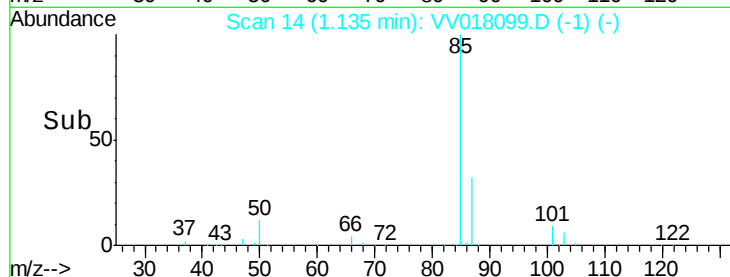
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 45.868 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018099.D

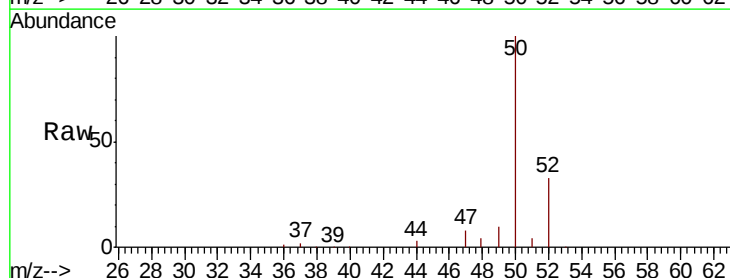
Acq: 26 Aug 2020 09:38

Tgt Ion: 50 Resp: 111294

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018089.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018089.D (-42) (-)

1.25

120000

100000

80000

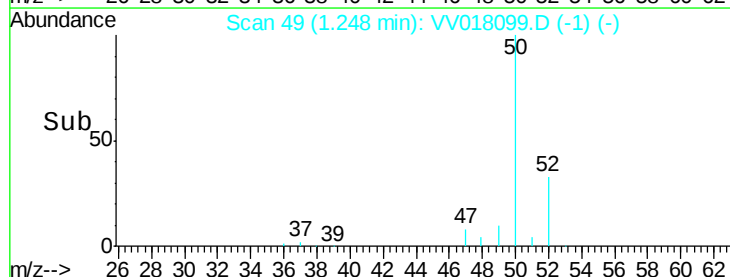
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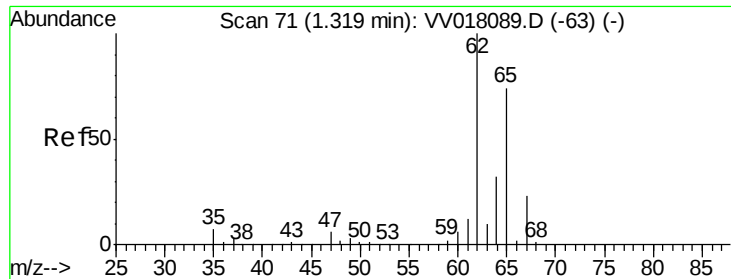
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 48.805 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

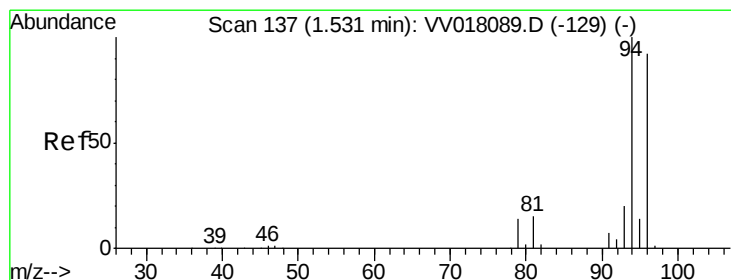
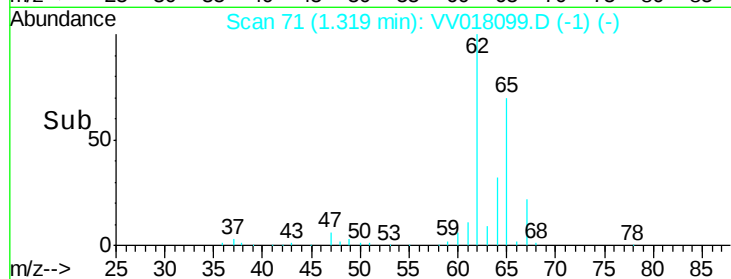
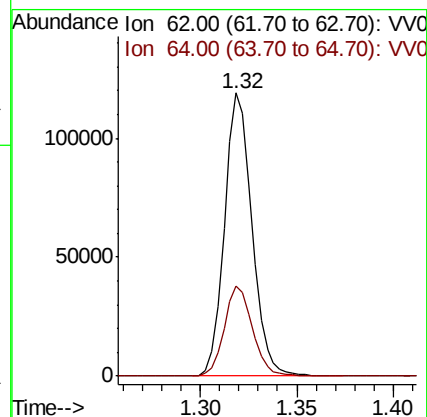
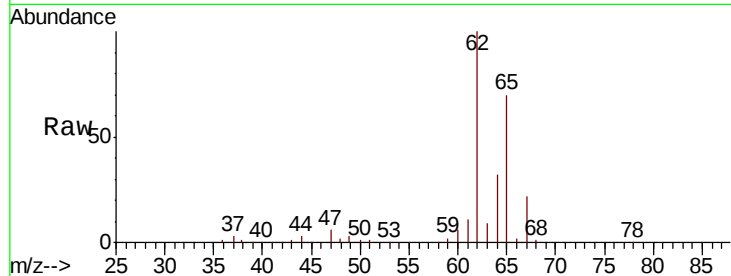
BFB82

Tot Ion: 62 Resp: 117329

Ion Ratio Lower Upper

62 100

64 31.9 22.4 41.6



#6

Bromomethane

Concen: 48.662 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018099.D

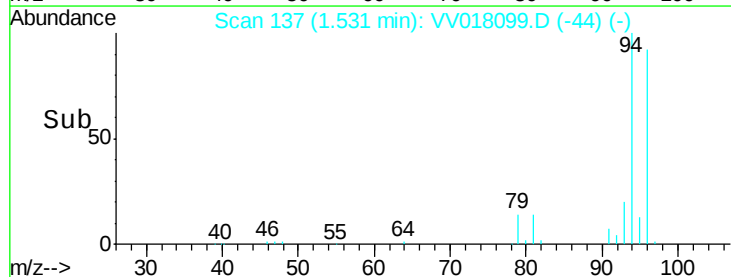
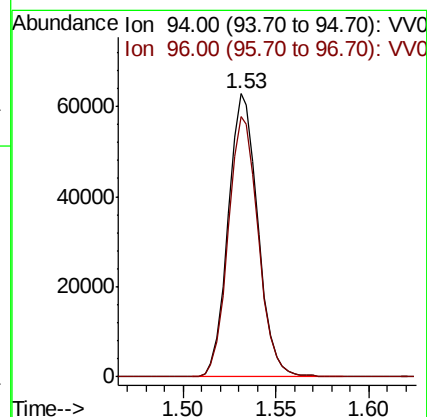
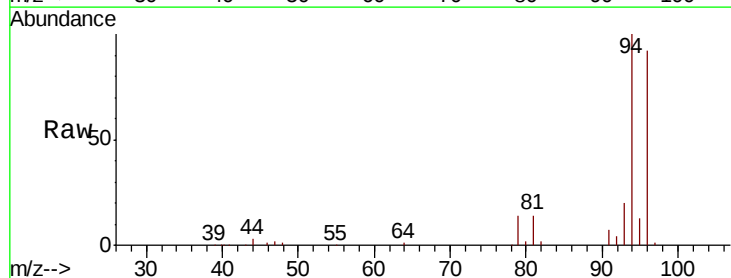
Acq: 26 Aug 2020 09:38

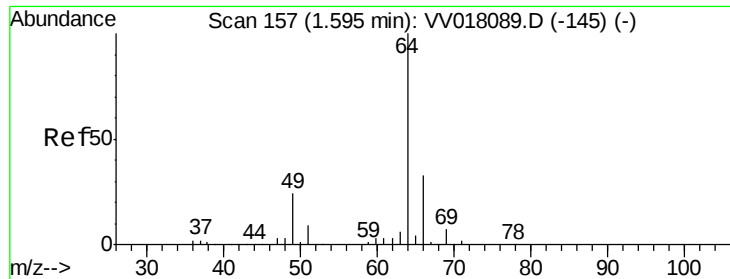
Tgt Ion: 94 Resp: 69918

Ion Ratio Lower Upper

94 100

96 92.2 65.5 121.7





#8

Chloroethane

Concen: 49.938 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

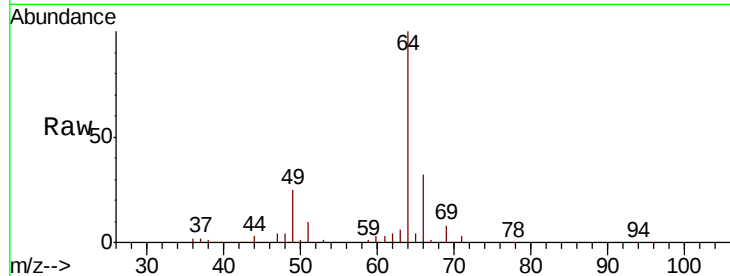
BFB82

Tot Ion: 64 Resp: 76625

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018099.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV018099.D (-33) (-)

1.60

80000

60000

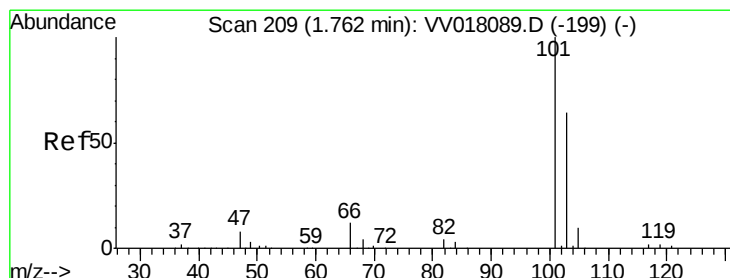
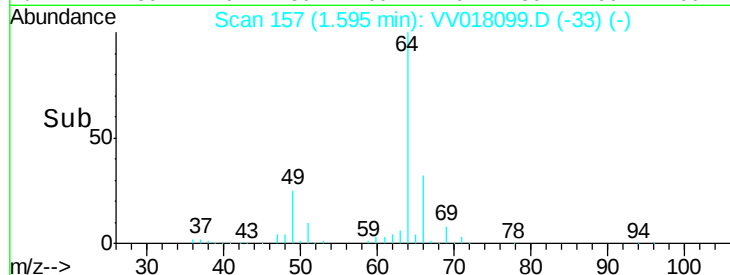
40000

20000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 50.349 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018099.D

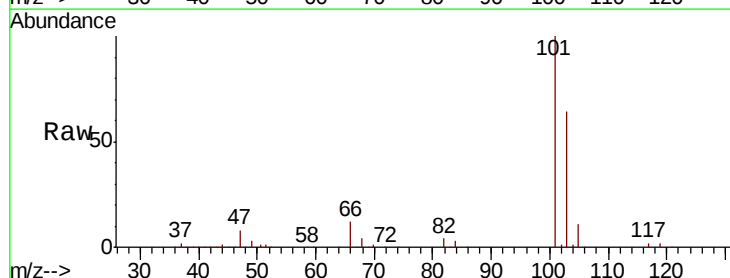
Acq: 26 Aug 2020 09:38

Tgt Ion:101 Resp: 172900

Ion Ratio Lower Upper

101 100

103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018099.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV018099.D (-85) (-)

1.76

150000

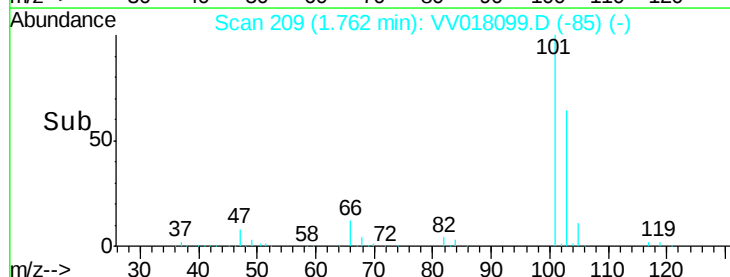
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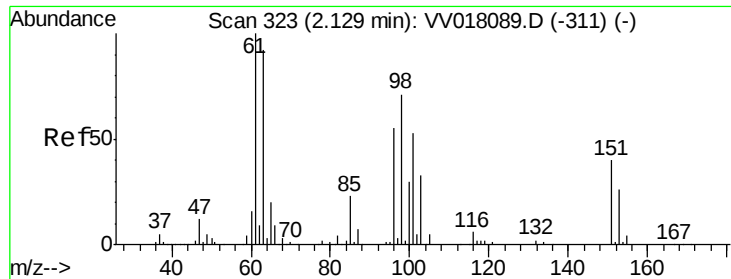
50000

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Time-->

1.70 1.75 1.80 1.85





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 53.100 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

BFB82

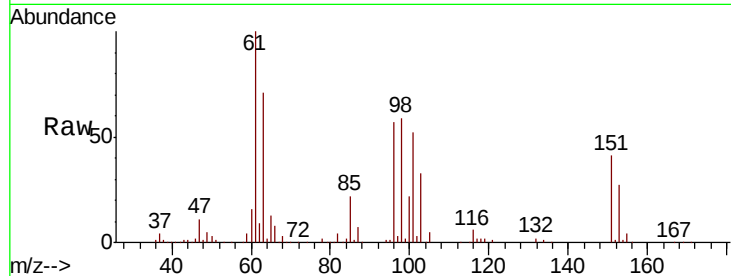
Tot Ion:101 Resp: 101816

Ion Ratio Lower Upper

101 100

85 43.1 34.9 52.3

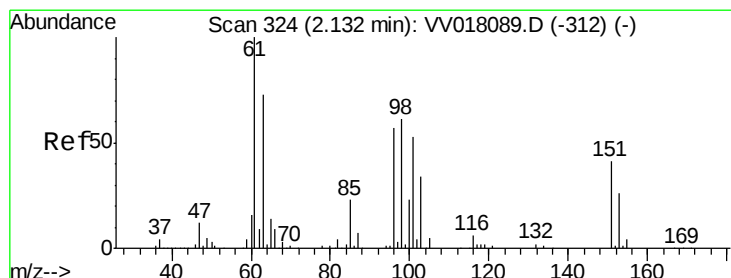
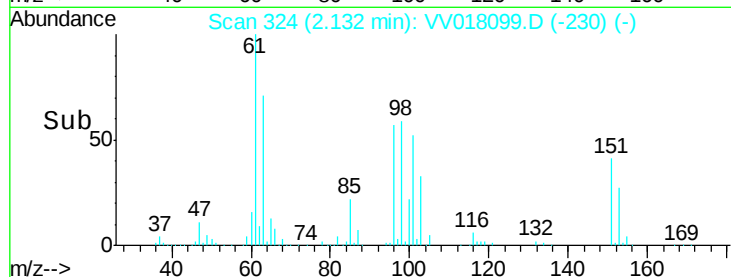
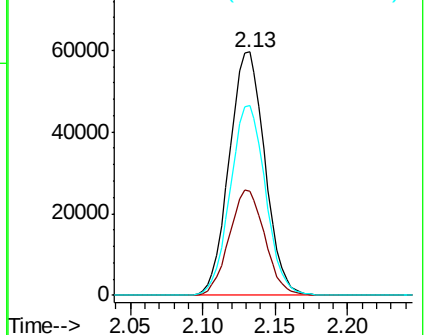
151 77.3 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.399 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

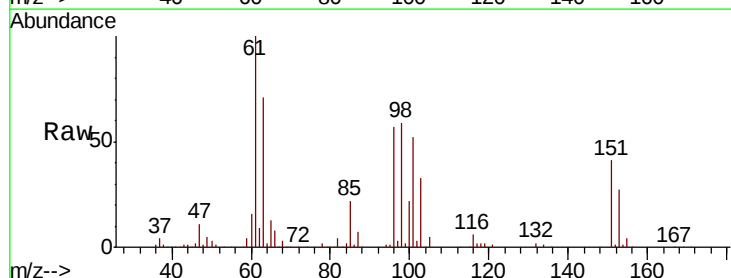
Tgt Ion: 96 Resp: 93282

Ion Ratio Lower Upper

96 100

61 176.7 127.1 236.0

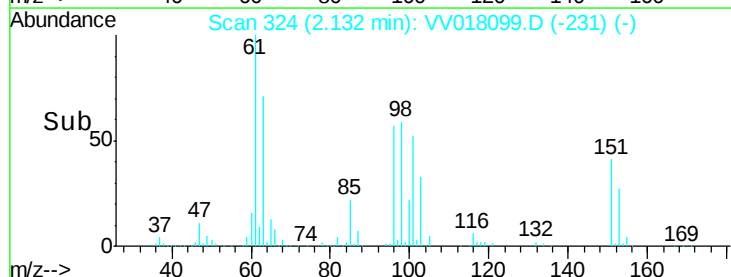
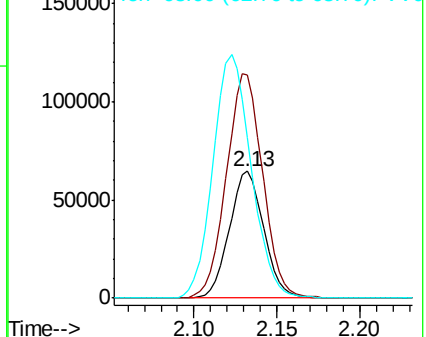
63 126.3 95.2 176.8

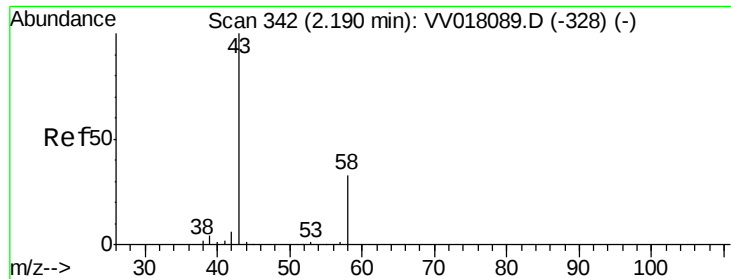


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 116.800 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

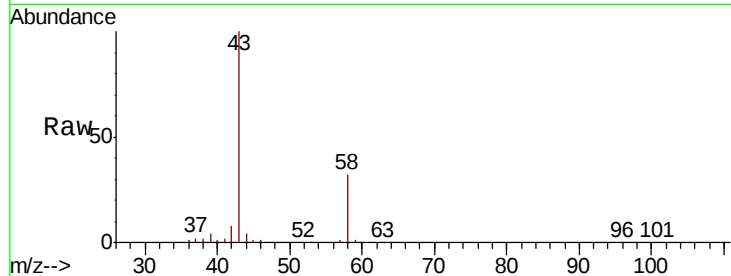
BFB82

Tot Ion: 43 Resp: 163109

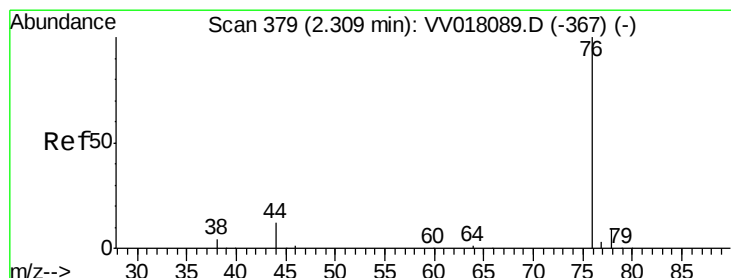
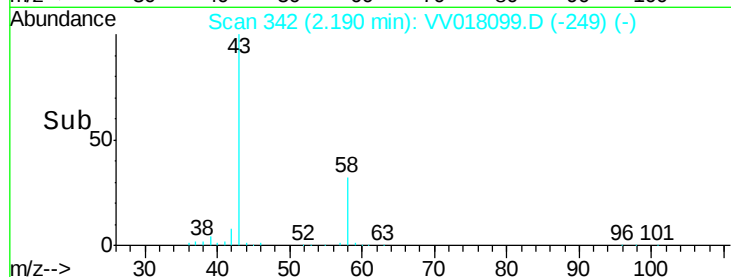
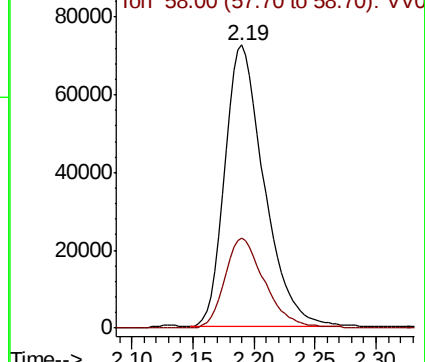
Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018099.D (-249) (-)



#14

Carbon disulfide

Concen: 49.127 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018099.D

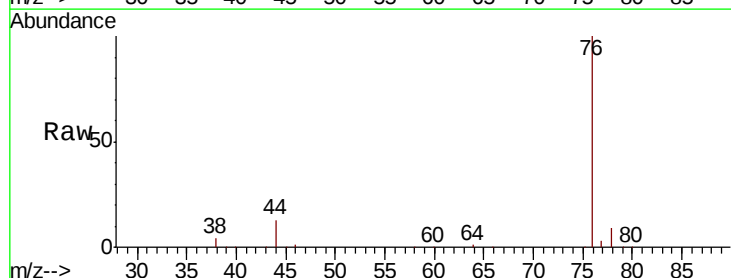
Acq: 26 Aug 2020 09:38

Tgt Ion: 76 Resp: 245393

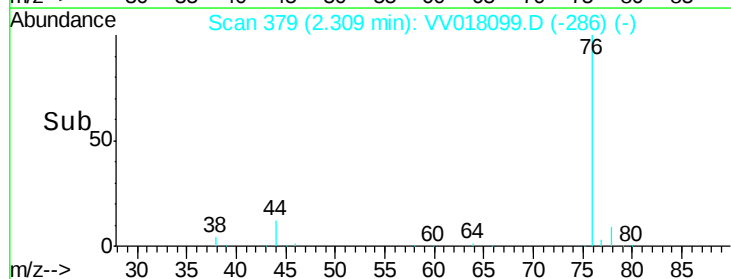
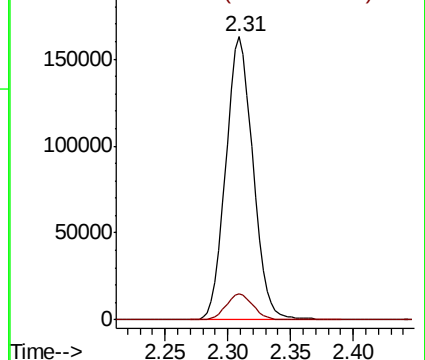
Ion Ratio Lower Upper

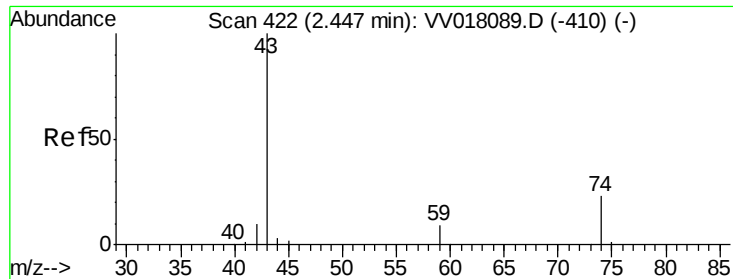
76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018099.D (-286) (-)

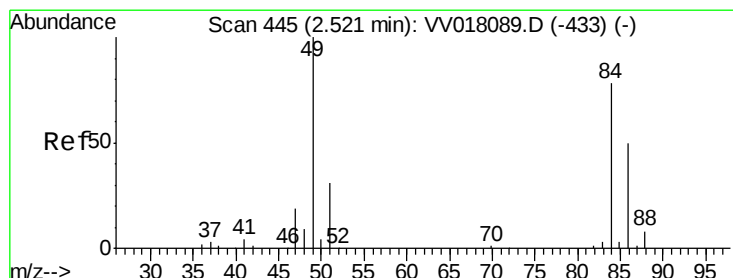
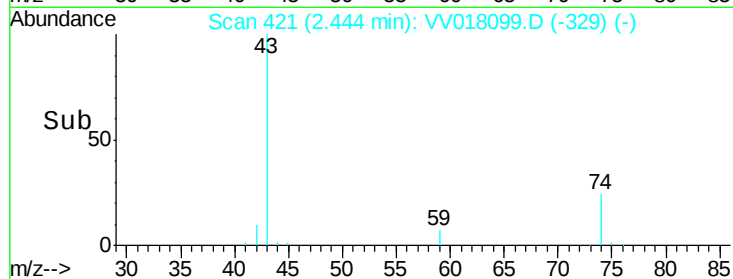
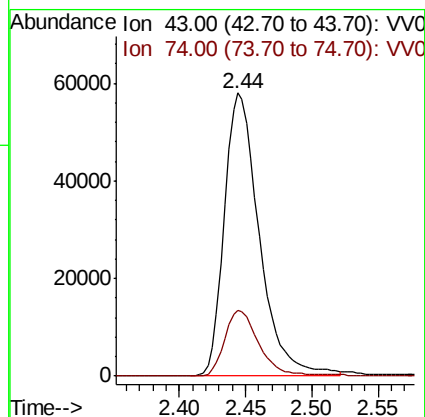
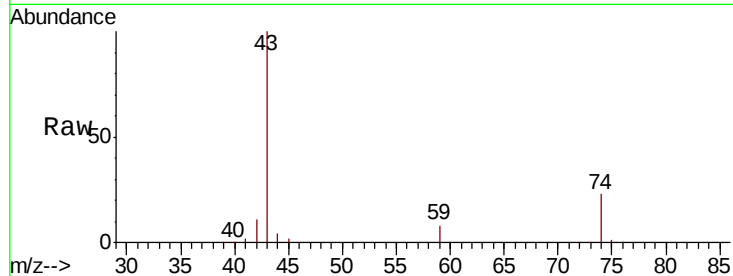




#15
Methvl Acetate
Concen: 46.819 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

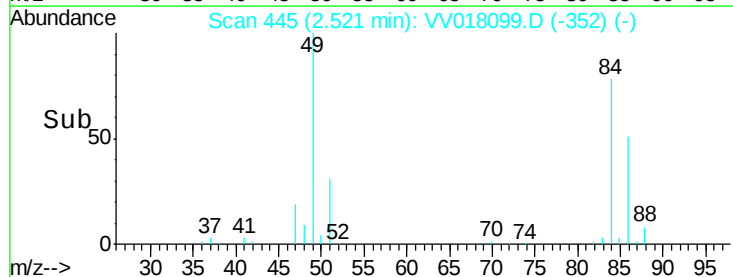
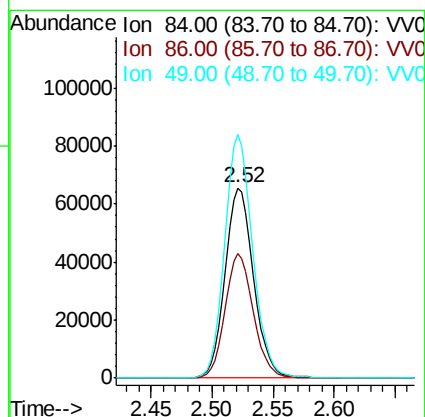
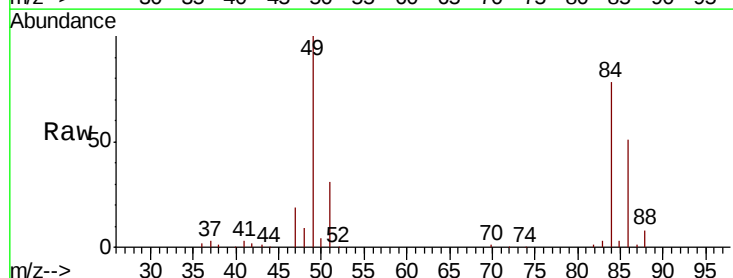
Instrument :
MSVOA_V
ClientSampleId :
BFB82

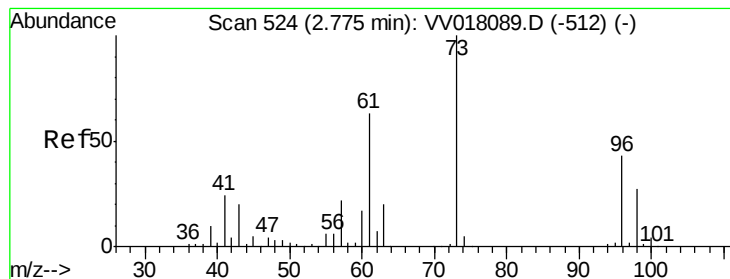
Tot Ion: 43 Resp: 105512
Ion Ratio Lower Upper
43 100
74 23.1 18.4 27.6



#16
Methylene chloride
Concen: 46.832 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

Tgt Ion: 84 Resp: 108281
Ion Ratio Lower Upper
84 100
86 65.2 46.3 85.9
49 127.9 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 51.337 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

BFB82

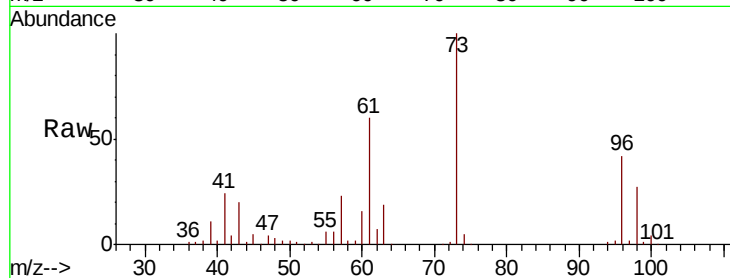
Tot Ion: 96 Resp: 95772

Ion Ratio Lower Upper

96 100

61 144.9 102.4 190.2

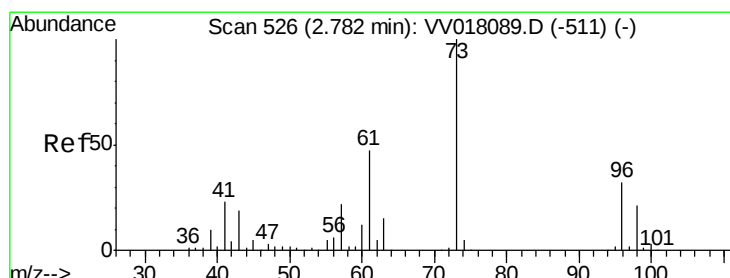
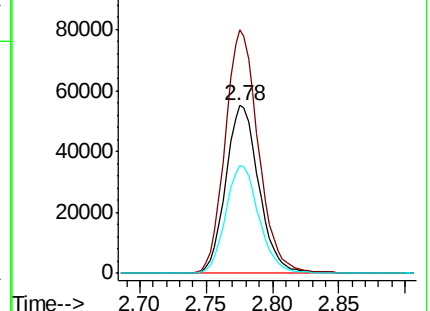
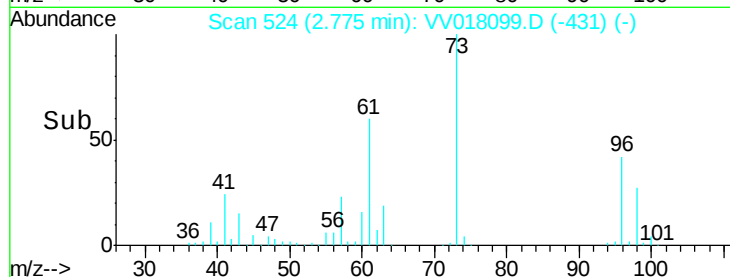
98 64.4 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV018099.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV018099.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV018099.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 50.880 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

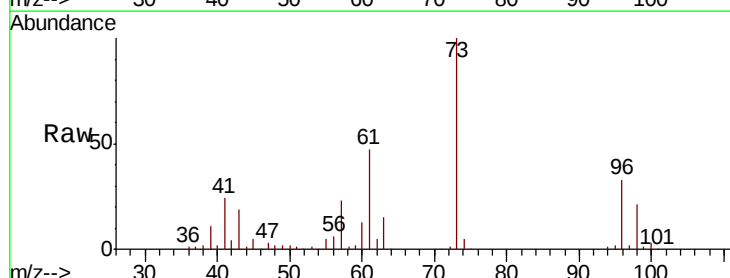
Tgt Ion: 73 Resp: 313918

Ion Ratio Lower Upper

73 100

43 19.3 15.9 23.9

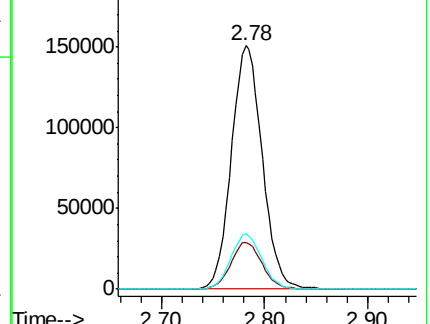
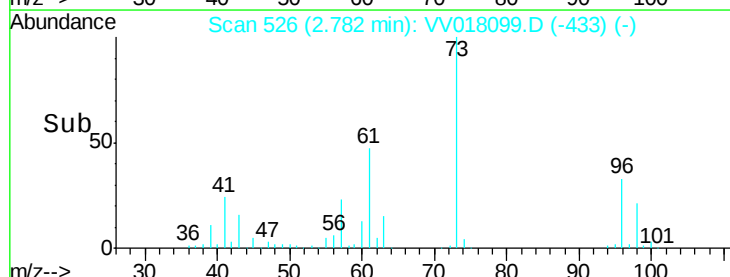
57 22.7 18.1 27.1

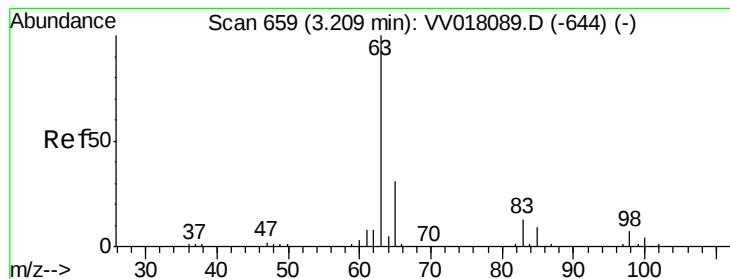


Abundance Ion 73.00 (72.70 to 73.70): VV018099.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV018099.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV018099.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 51.993 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

BFB82

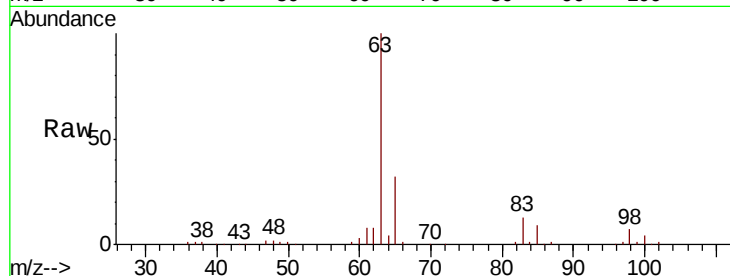
Tot Ion: 63 Resp: 195034

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

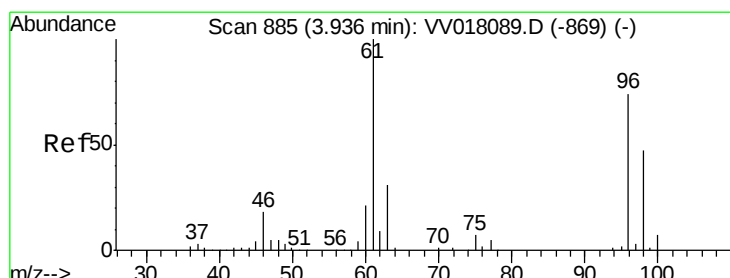
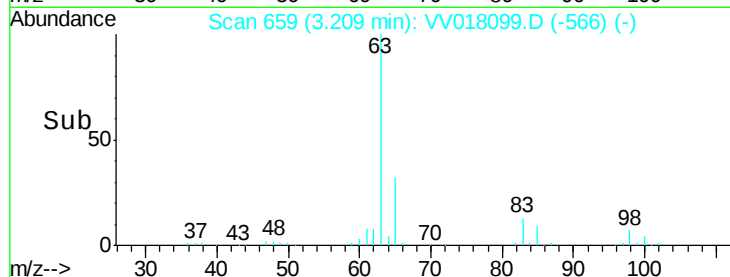
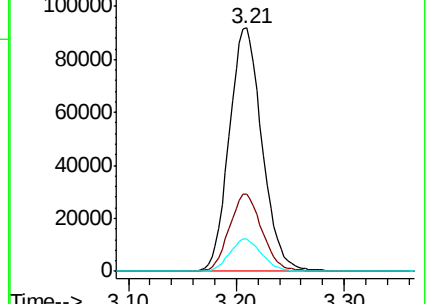
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 52.032 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

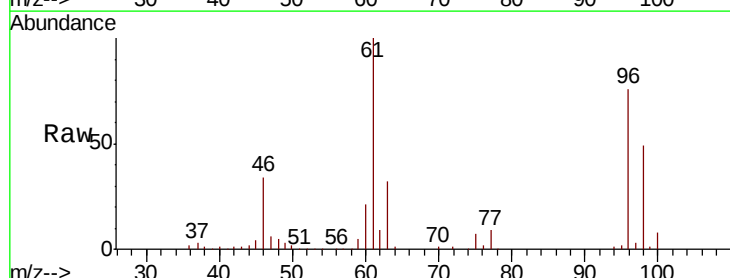
Tgt Ion: 96 Resp: 106669

Ion Ratio Lower Upper

96 100

61 132.3 95.0 176.4

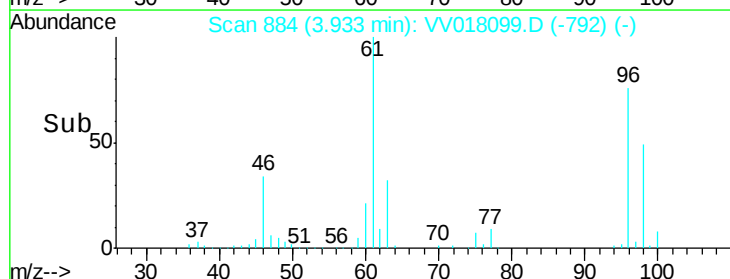
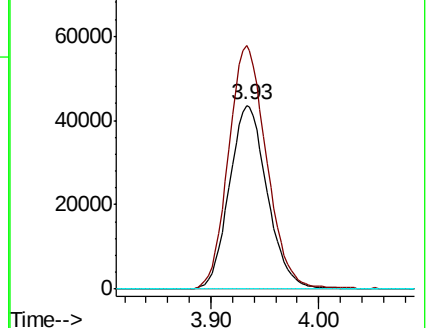
68 0.0 0.0 0.0

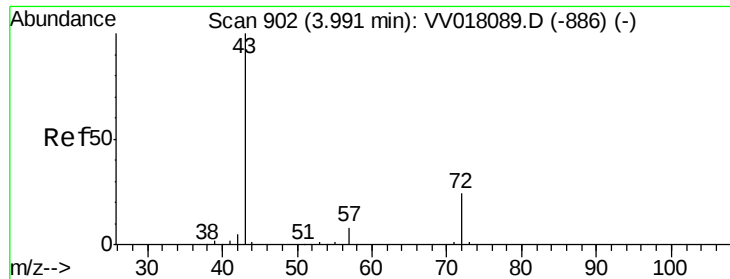


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 108.517 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

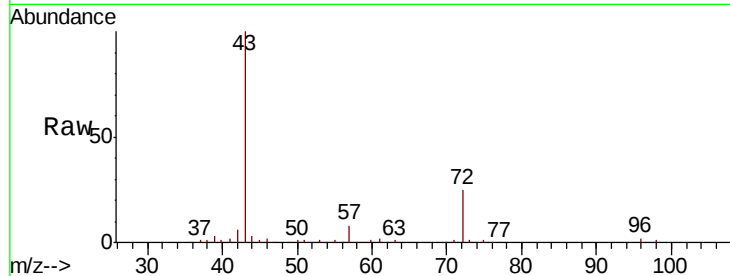
BFB82

Tot Ion: 43 Resp: 170006

Ion Ratio Lower Upper

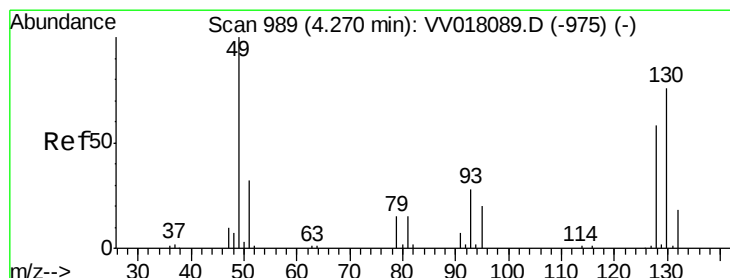
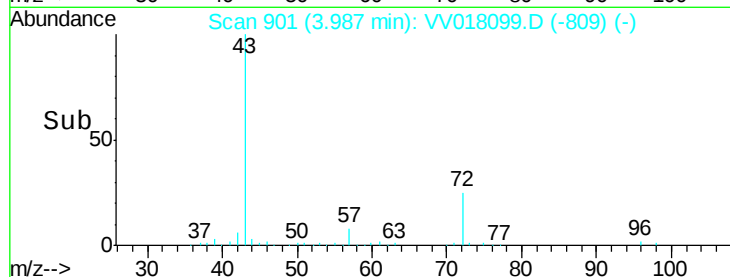
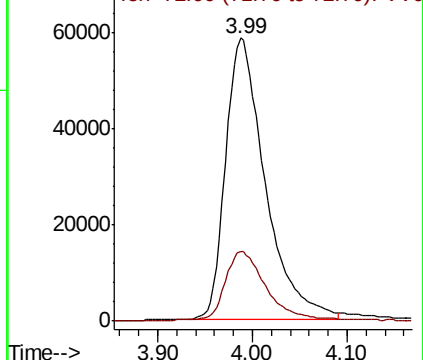
43 100

72 25.0 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018089.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VV018089.D (-886) (-)



#23

Bromochloromethane

Concen: 53.067 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Tgt Ion:128 Resp: 56833

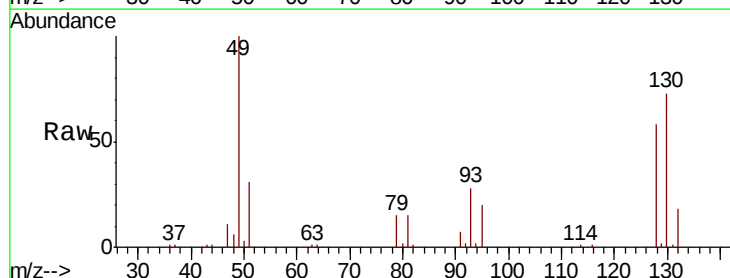
Ion Ratio Lower Upper

128 100

49 172.2 125.6 233.3

130 126.2 89.9 167.0

51 53.9 45.8 68.6

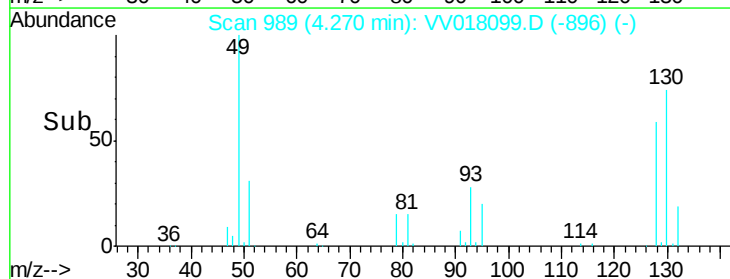
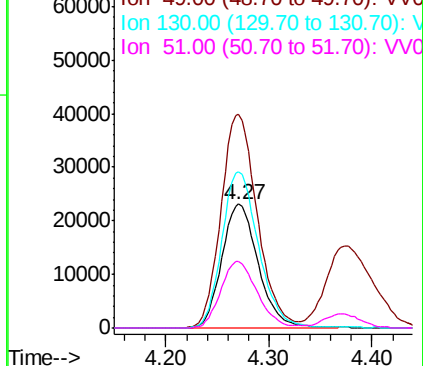


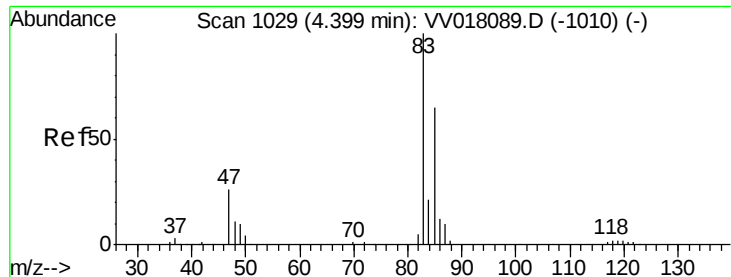
Abundance Ion 128.00 (127.70 to 128.70): VV018089.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018089.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV018089.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV018089.D (-975) (-)

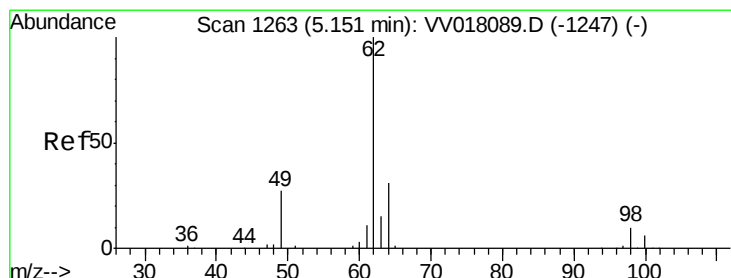
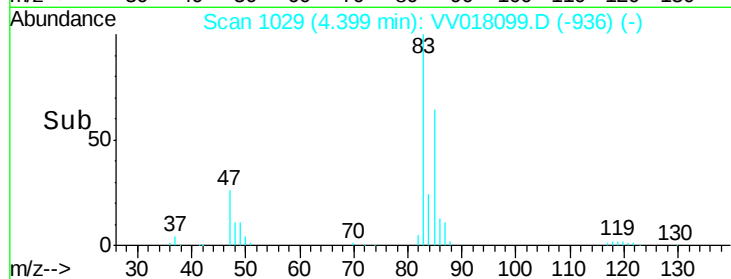
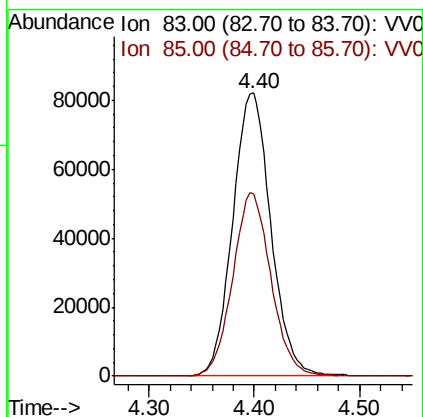
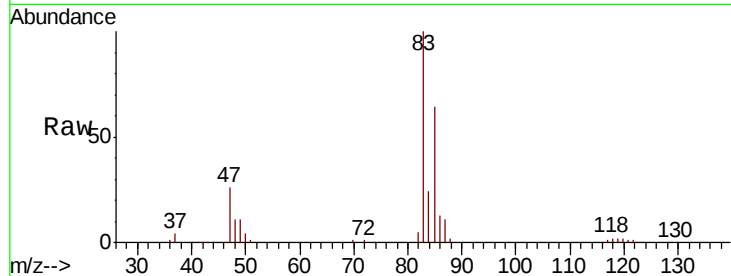




#25
Chloroform
Concen: 53.882 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

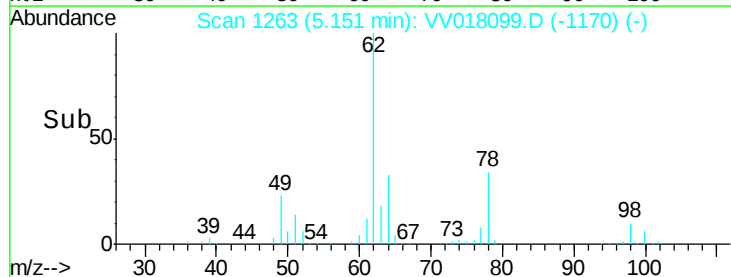
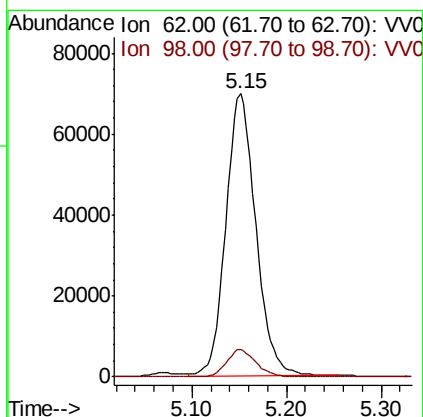
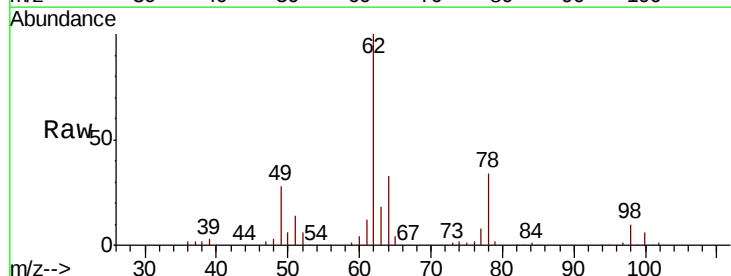
Instrument :
MSVOA_V
ClientSampleId :
BFB82

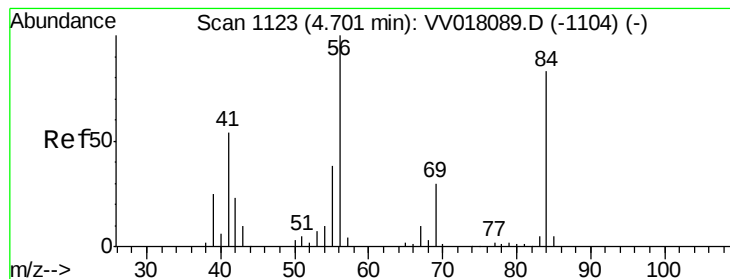
Tot Ion: 83 Resp: 206158
Ion Ratio Lower Upper
83 100
85 64.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 50.651 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

Tgt Ion: 62 Resp: 154252
Ion Ratio Lower Upper
62 100
98 9.8 7.1 10.7





#29

Cyclohexane

Concen: 48.911 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :
MSVOA_V
ClientSampleId :
BFB82

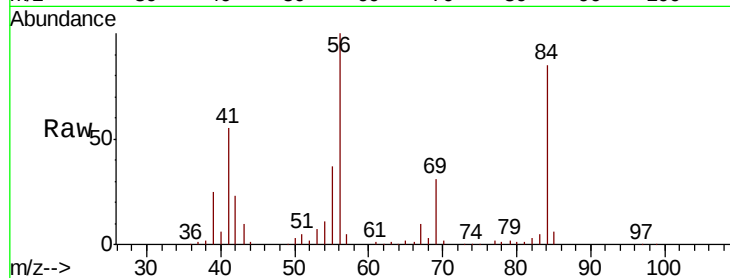
Tot Ion: 56 Resp: 157769

Ion Ratio Lower Upper

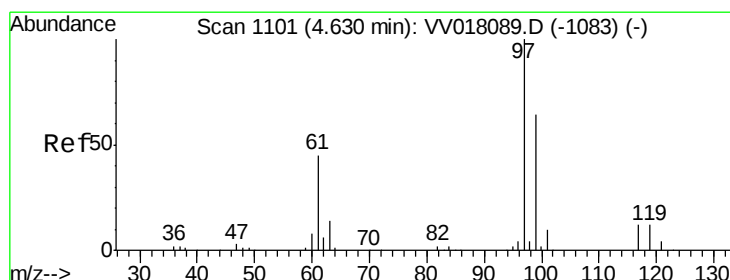
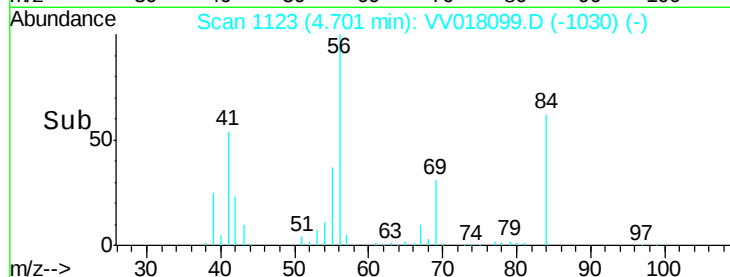
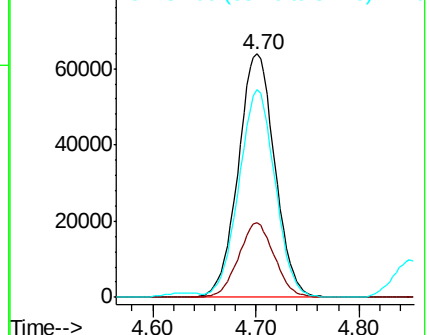
56 100

69 29.9 23.8 35.8

84 84.1 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.721 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

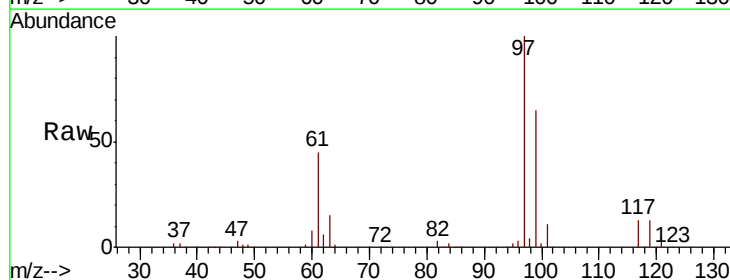
Tgt Ion: 97 Resp: 169392

Ion Ratio Lower Upper

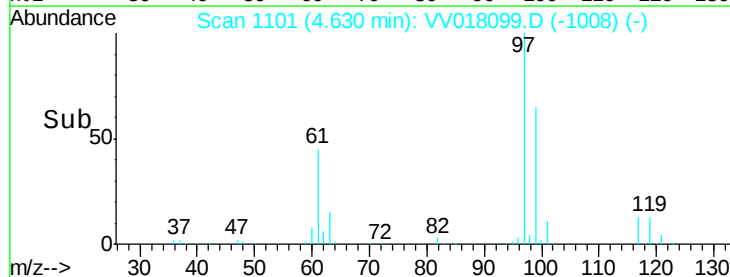
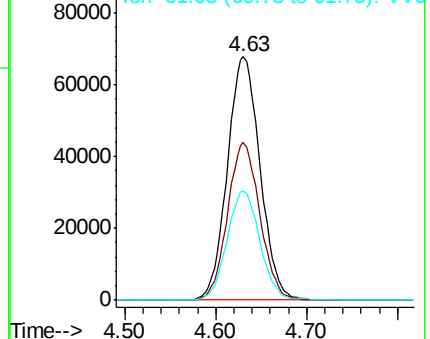
97 100

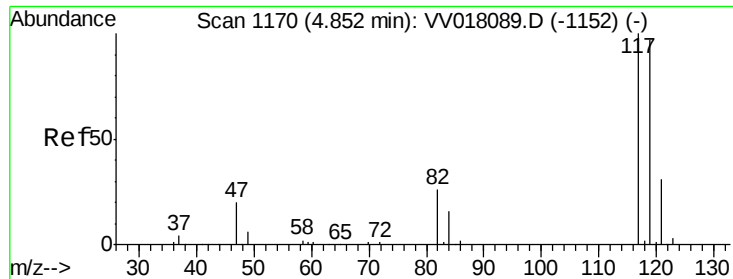
99 63.9 50.6 76.0

61 44.9 37.0 55.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

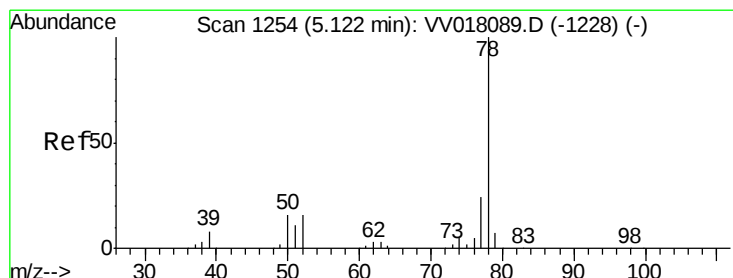
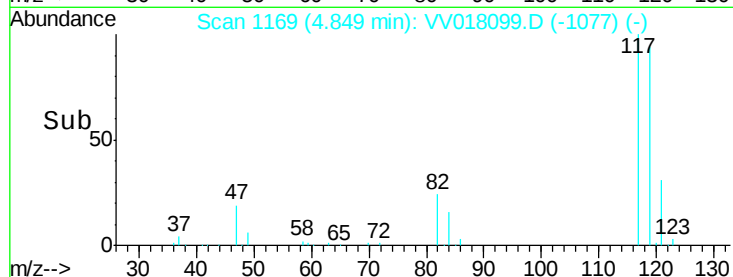
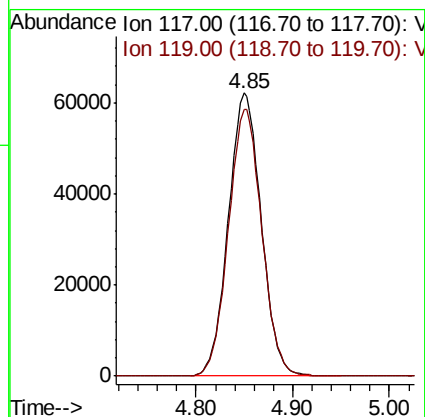
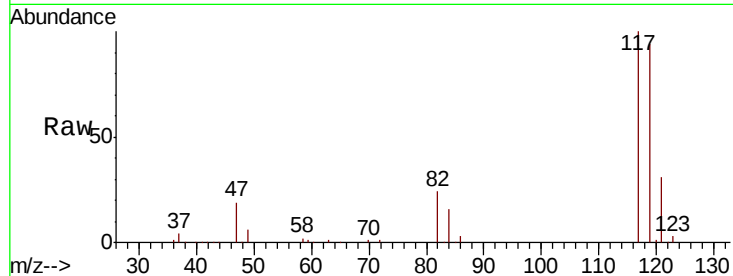




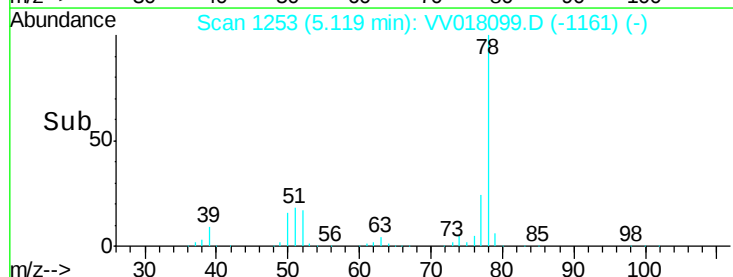
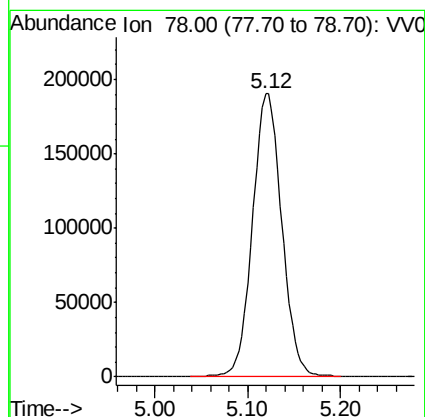
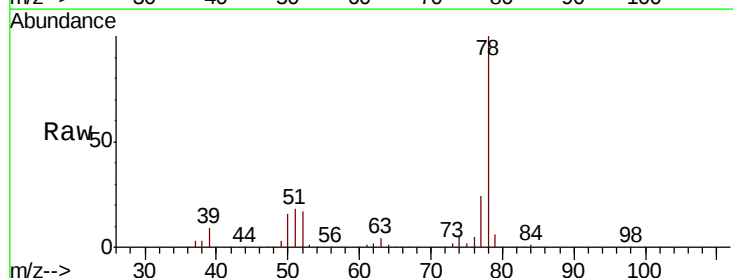
#31
Carbon tetrachloride
Concen: 53.854 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

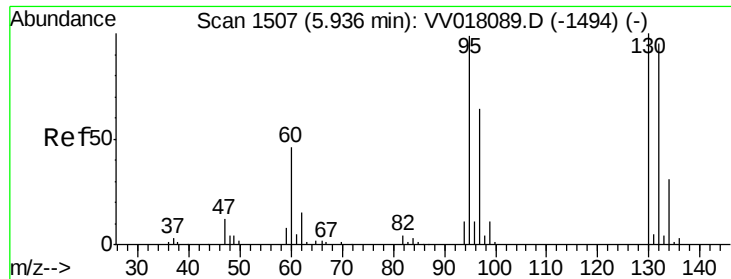
Instrument :
MSVOA_V
ClientSampleId :
BFB82

Tot Ion:117 Resp: 146832
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.6



#33
Benzene
Concen: 50.586 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38
Tgt Ion: 78 Resp: 418281

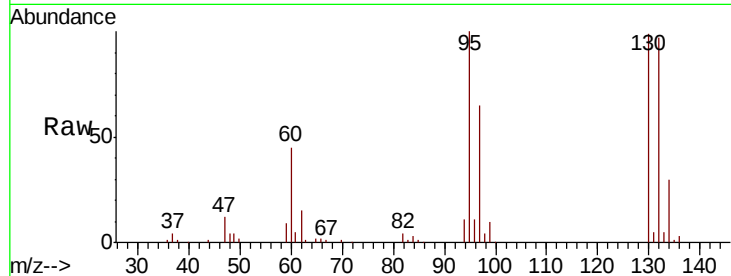




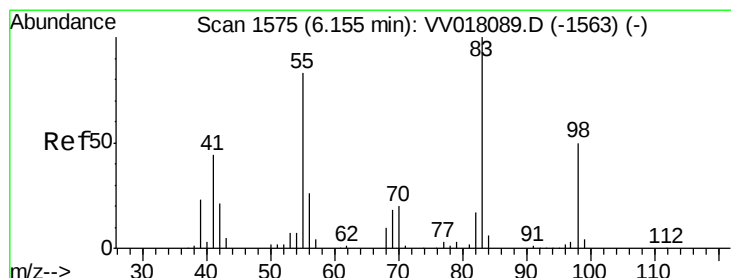
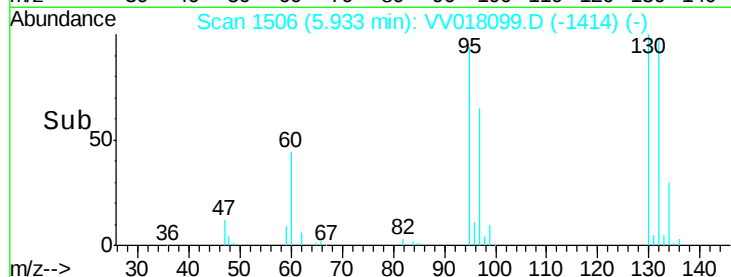
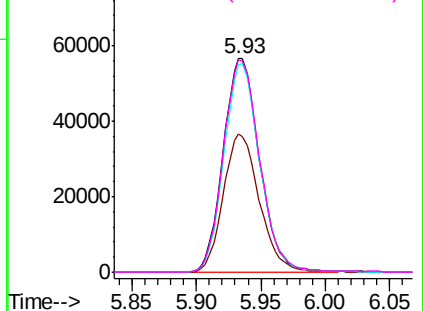
#34
 Trichloroethene
 Concen: 50.681 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB82

Tot Ion: 95 Resp: 110770
 Ion Ratio Lower Upper
 95 100
 97 64.9 46.0 85.4
 132 97.1 65.8 122.2
 130 99.2 69.2 128.6

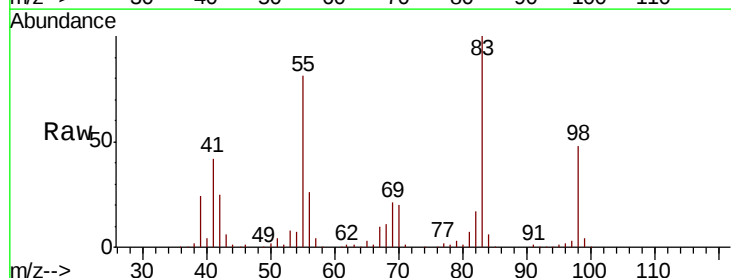


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

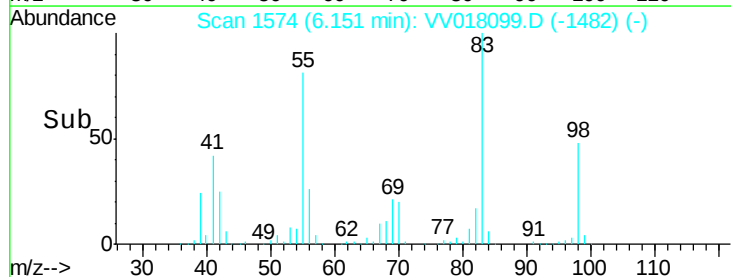
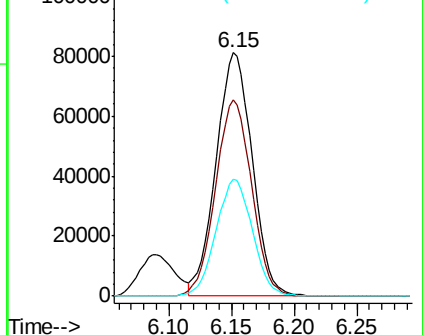


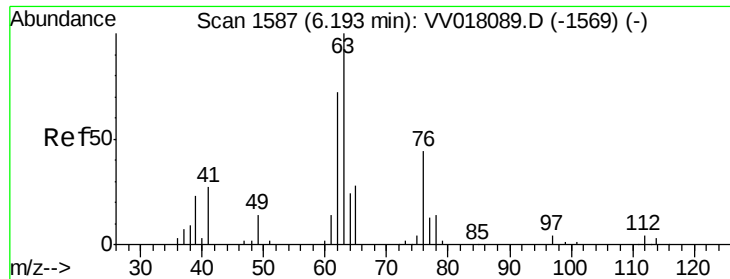
#35
 Methylcyclohexane
 Concen: 50.136 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

Tgt Ion: 83 Resp: 162940
 Ion Ratio Lower Upper
 83 100
 55 80.2 64.9 97.3
 98 48.4 38.7 58.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

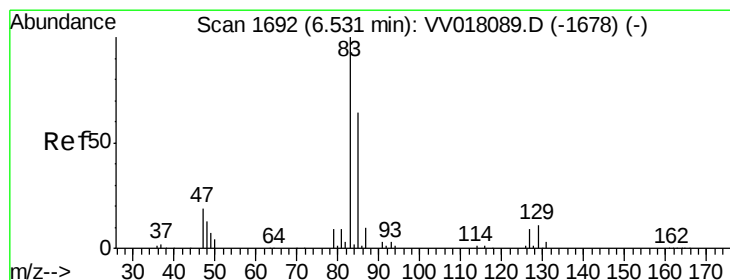
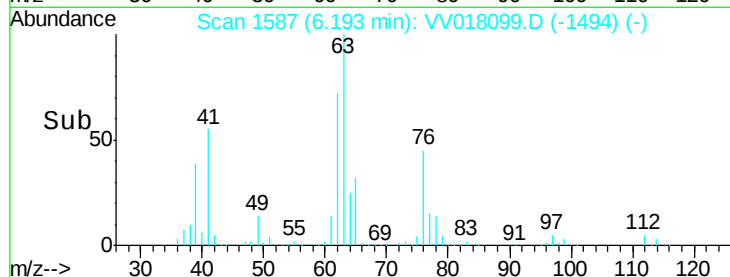
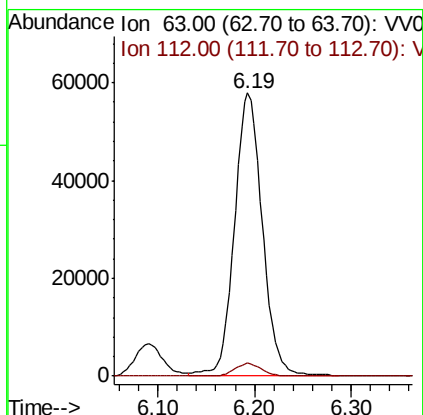
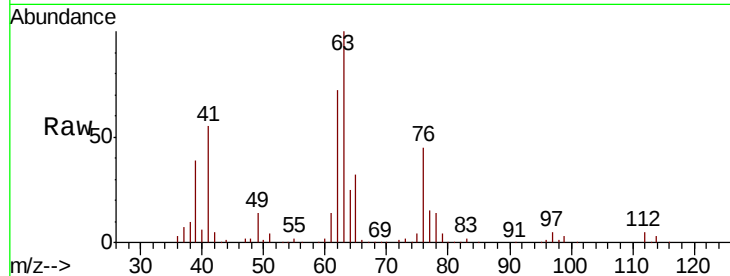




#37
 1,2-Dichloropropane
 Concen: 50.995 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

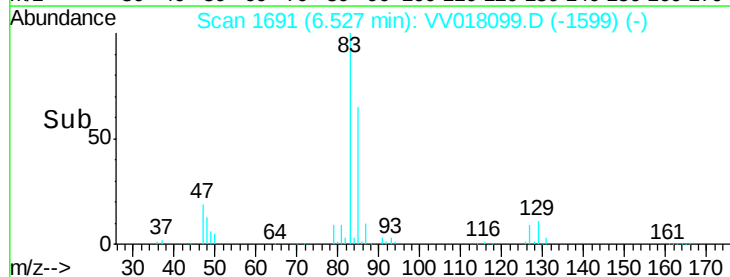
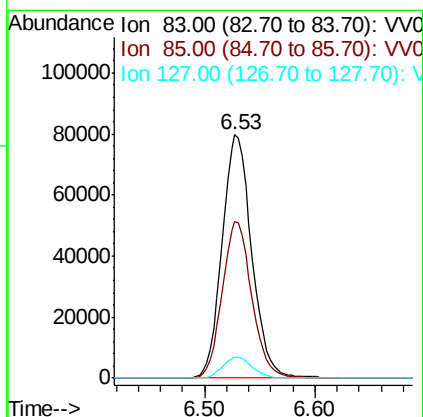
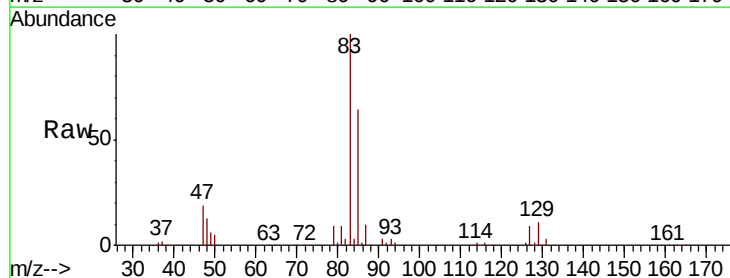
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB82

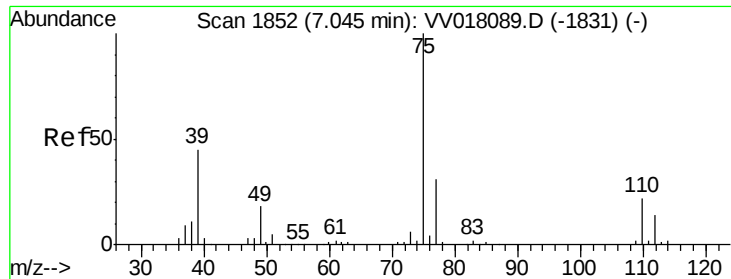
Tot Ion: 63 Resp: 114992
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 53.049 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

Tgt Ion: 83 Resp: 148587
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.3 82.3
 127 8.6 6.5 9.7

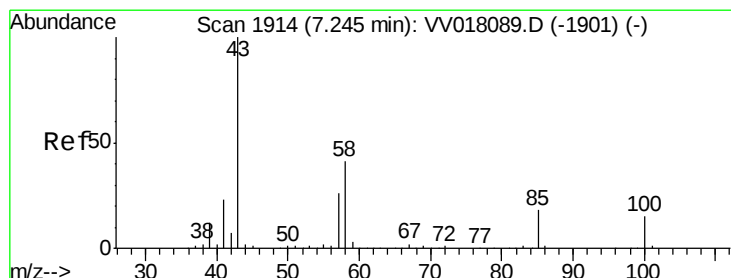
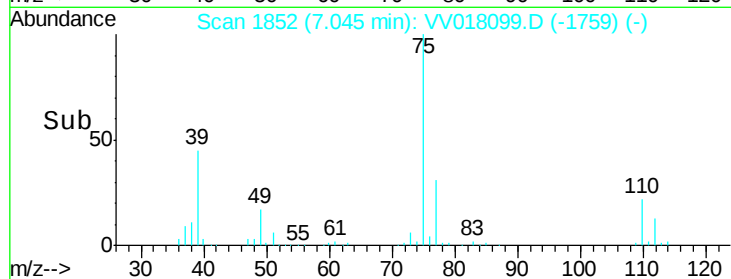
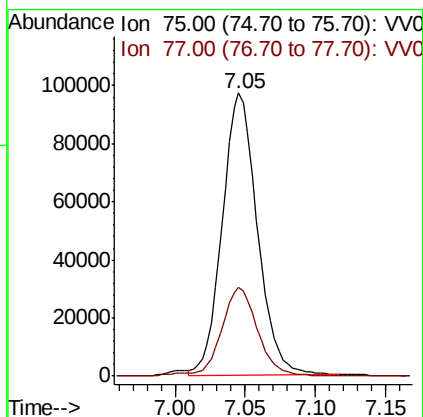
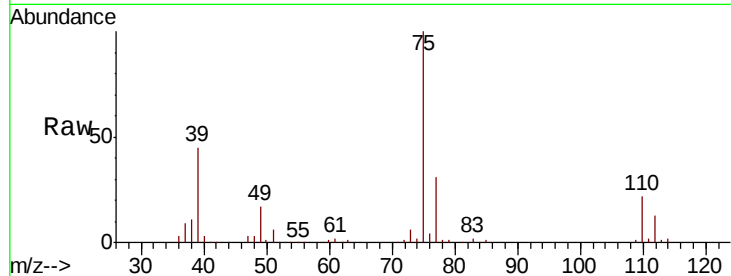




#39
 cis-1,3-Dichloropropene
 Concen: 52.824 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

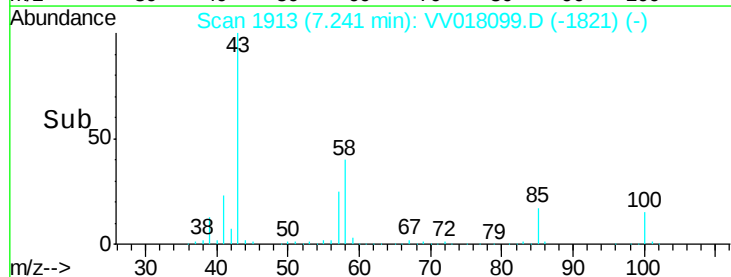
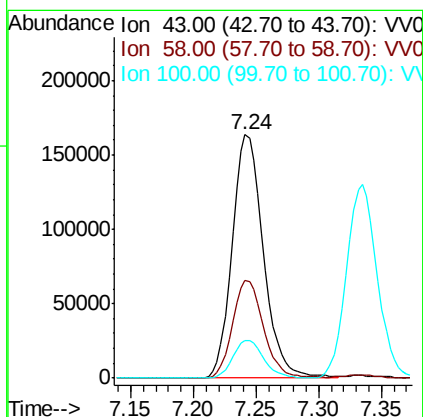
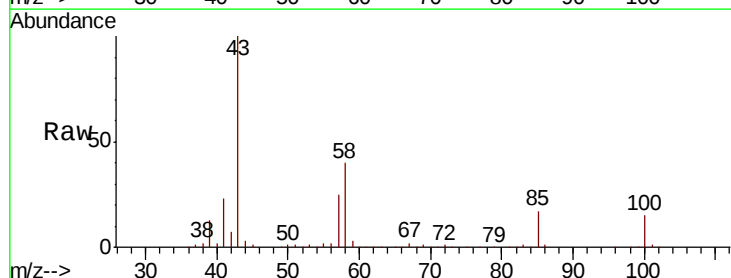
Instrument :
 MSVOA_V
 ClientSampled :
 BFB82

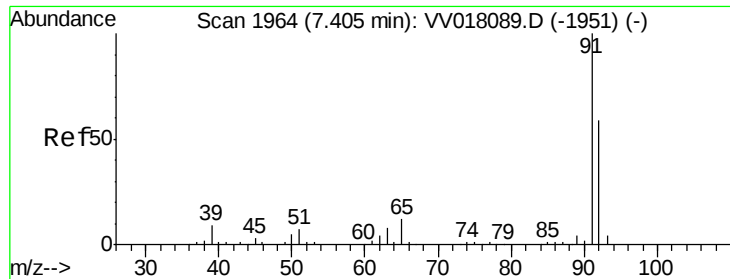
Tot Ion: 75 Resp: 168863
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 95.805 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

Tgt Ion: 43 Resp: 282415
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.9 47.9
 100 15.4 12.2 18.2





#42

Toluene

Concen: 52.002 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

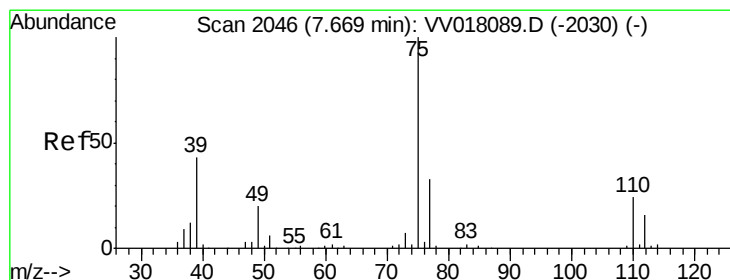
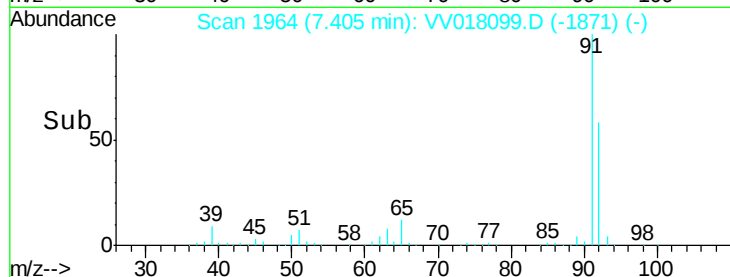
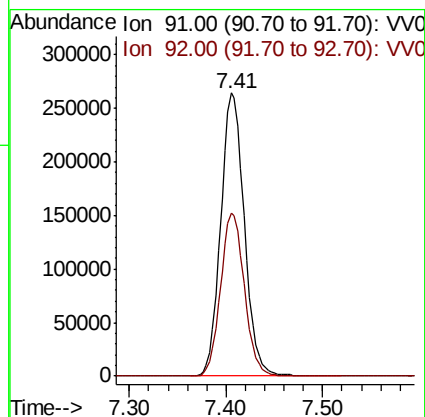
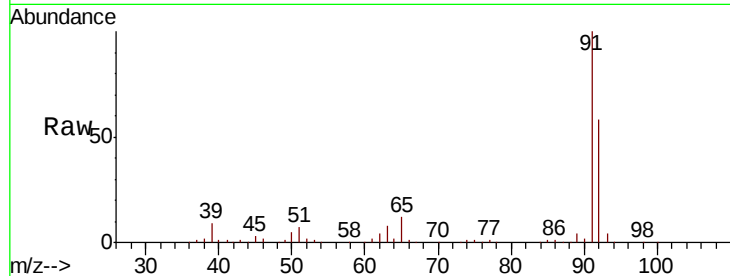
BFB82

Tot Ion: 91 Resp: 448683

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 56.230 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018099.D

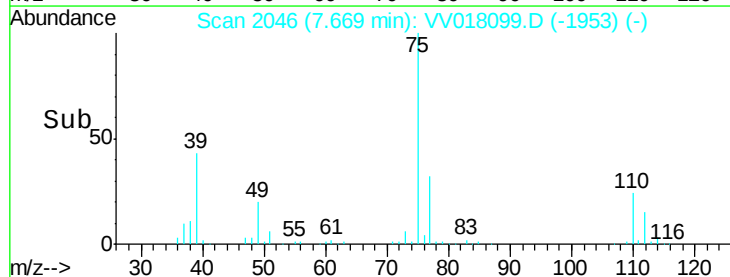
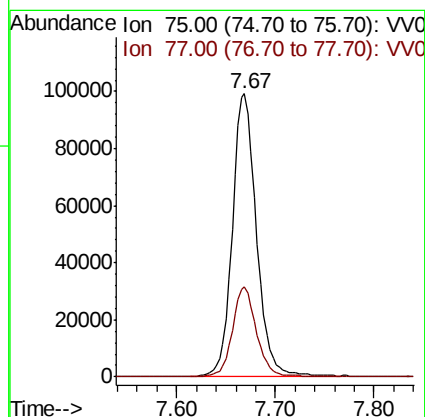
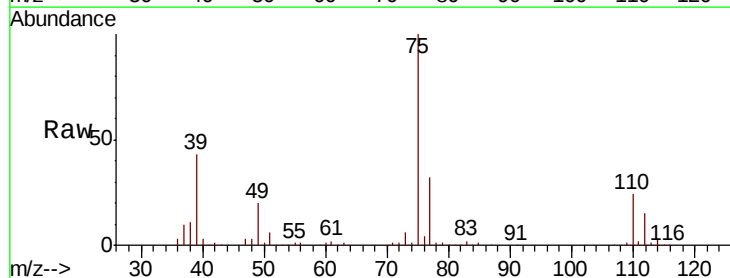
Acq: 26 Aug 2020 09:38

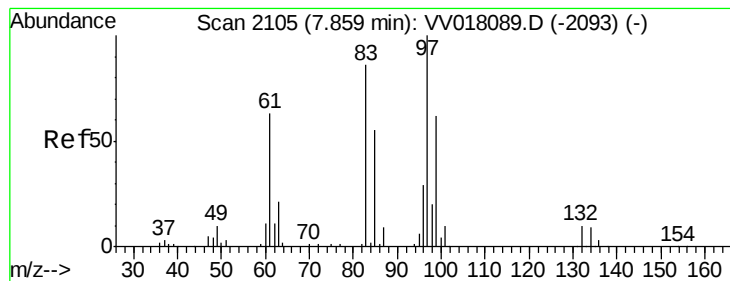
Tgt Ion: 75 Resp: 170547

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 51.417 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

BFB82

Tot Ion: 97 Resp: 107372

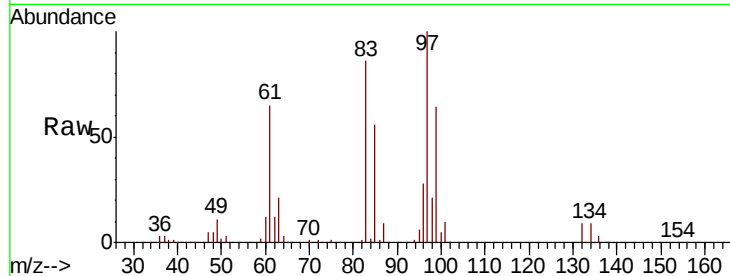
Ion Ratio Lower Upper

97 100

99 63.5 44.2 82.2

83 86.2 61.0 113.4

85 56.5 39.5 73.4



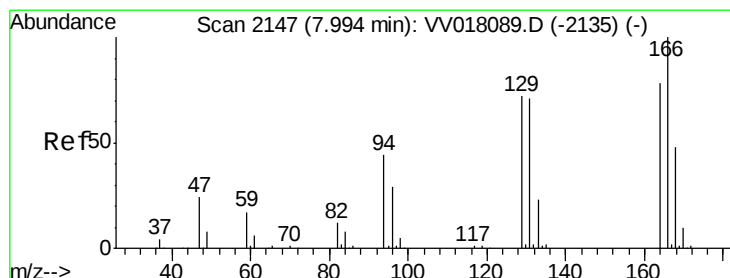
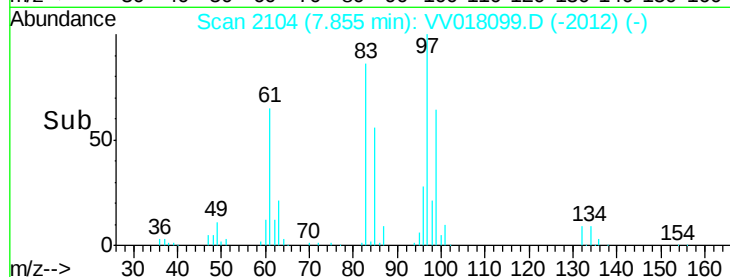
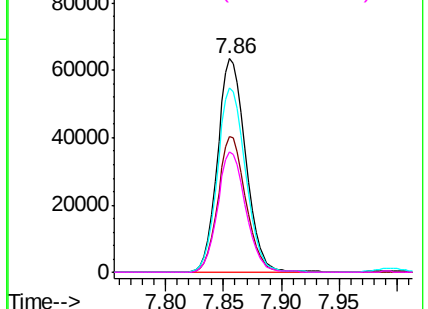
Abundance

Ion 97.00 (96.70 to 97.70): VV018089.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV018089.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV018089.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV018089.D (-2093) (-)



#46

Tetrachloroethene

Concen: 53.330 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Tgt Ion: 164 Resp: 85485

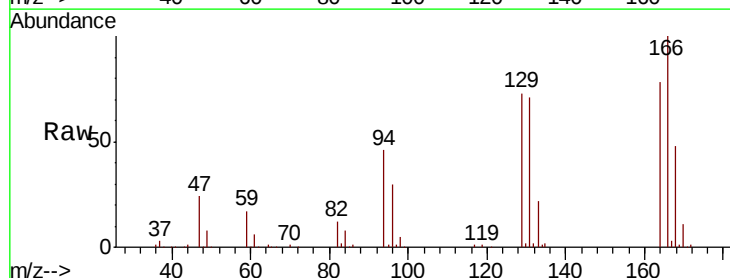
Ion Ratio Lower Upper

164 100

129 93.5 64.8 120.3

131 90.1 64.5 119.9

166 127.7 88.9 165.1



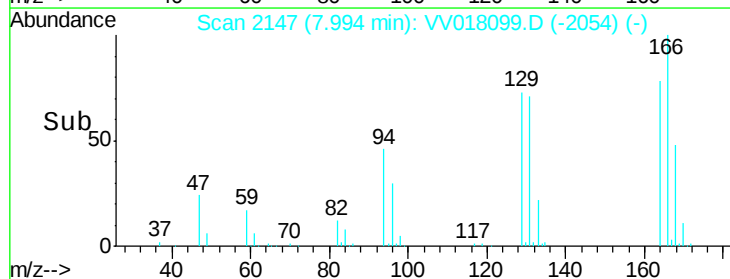
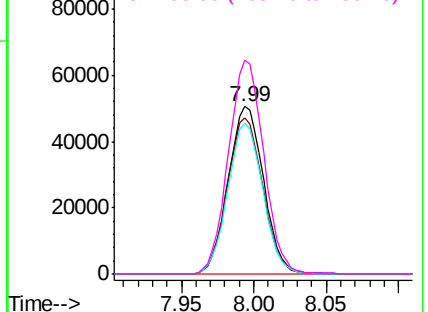
Abundance

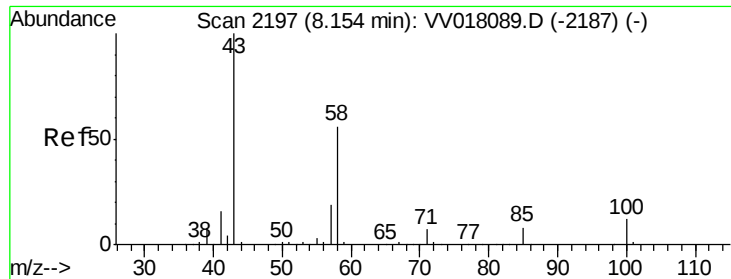
Ion 164.00 (163.70 to 164.70): VV018089.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018089.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018089.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018089.D (-2135) (-)

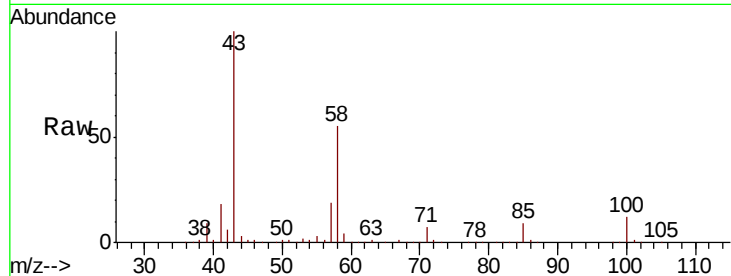




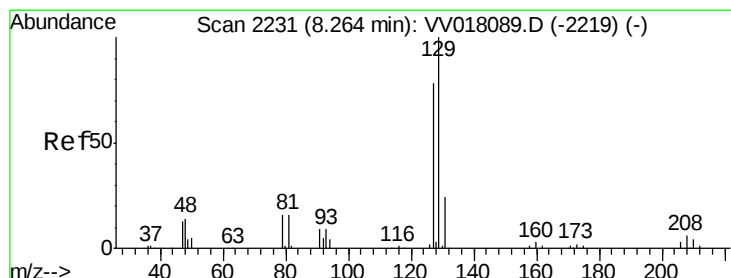
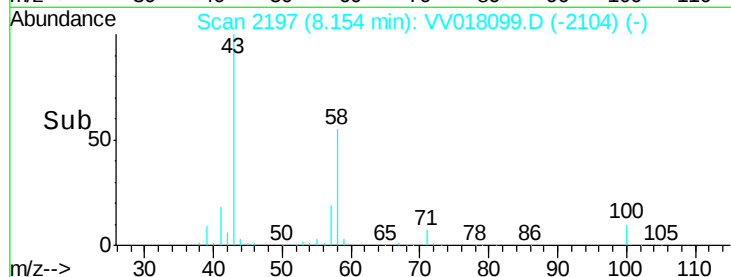
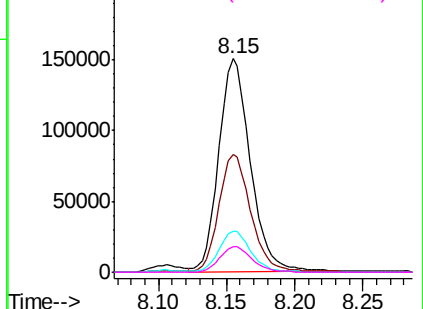
#48
2-Hexanone
Concen: 101.453 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

Instrument :
MSVOA_V
ClientSampleId :
BFB82

Tot Ion:	43	Resp:	241161
Ion	Ratio	Lower	Upper
43	100		
58	56.0	44.4	66.6
57	19.1	15.2	22.8
100	12.3	9.8	14.6

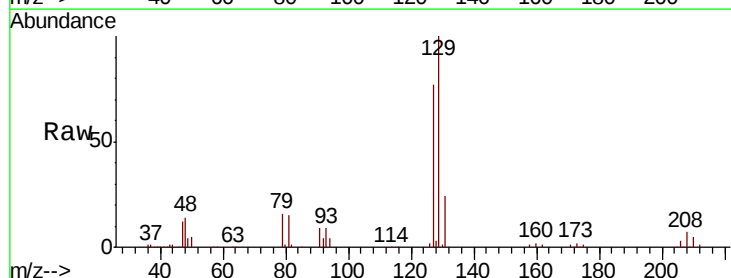


Abundance Ion 43.00 (42.70 to 43.70): VV018099.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV018099.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV018099.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV018099.D (-2197) (-)

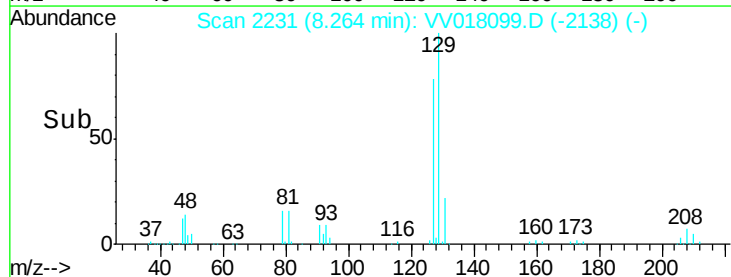
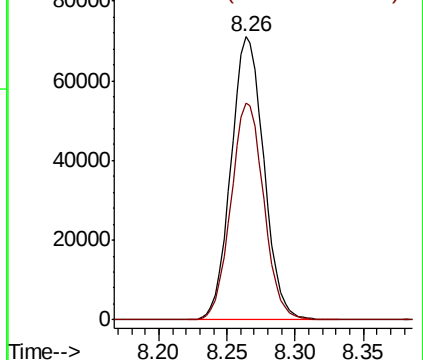


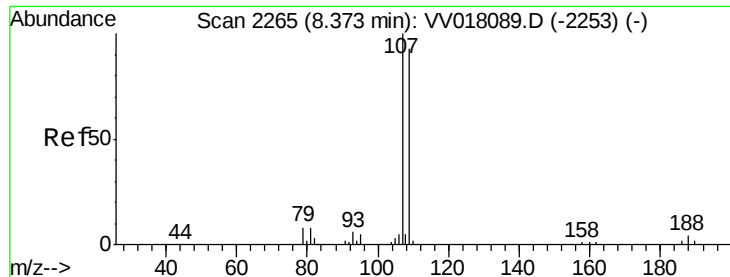
#49
Dibromochloromethane
Concen: 58.404 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

Tgt Ion:	129	Resp:	119047
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.9	101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018099.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV018099.D (-2231) (-)

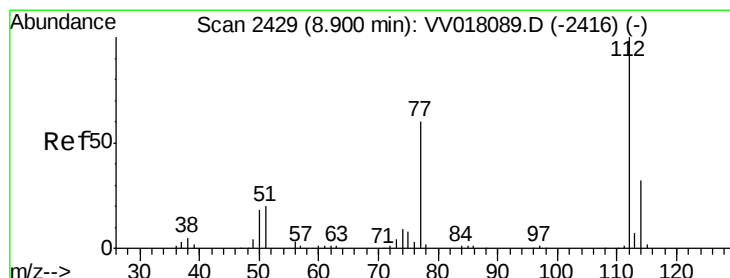
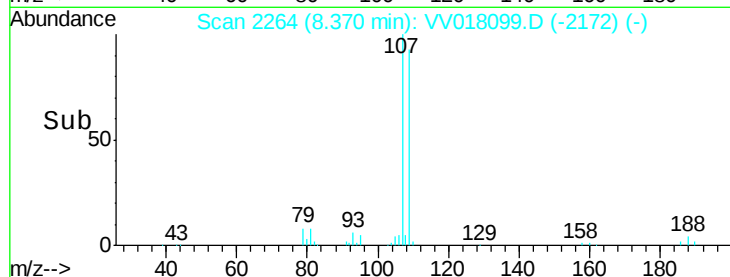
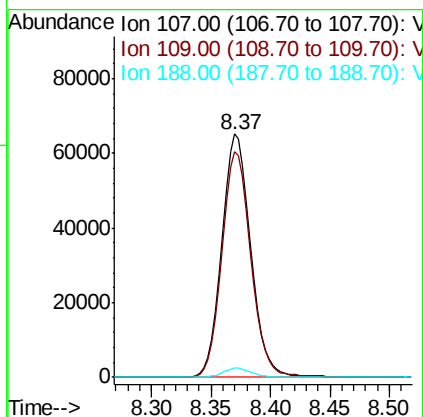
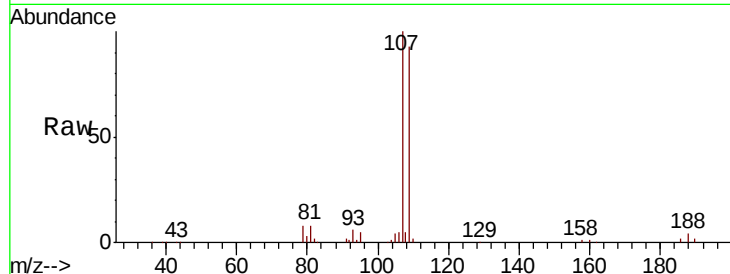




#50
1,2-Dibromoethane
Concen: 50.752 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

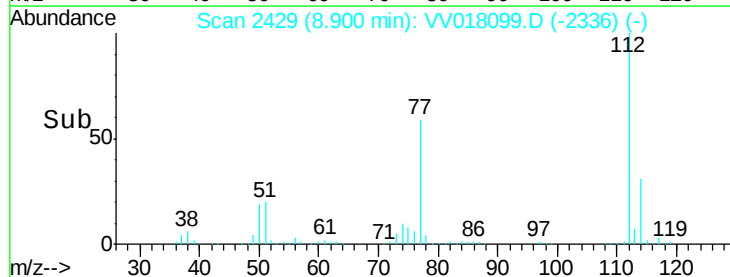
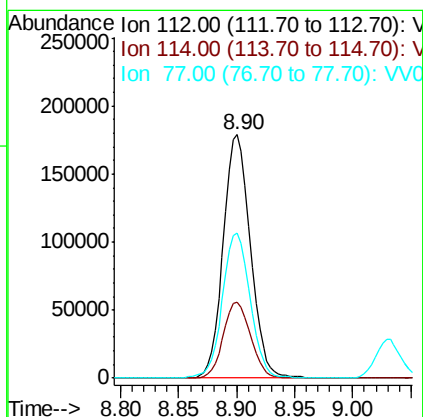
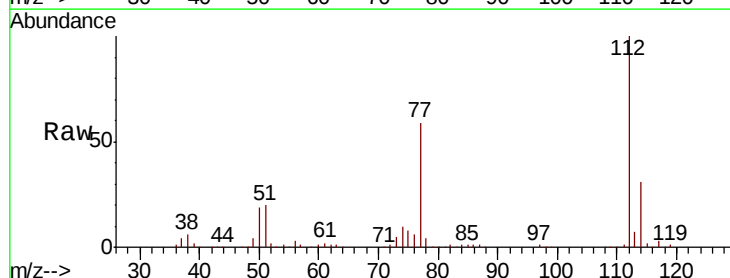
Instrument :
MSVOA_V
ClientSampled :
BFB82

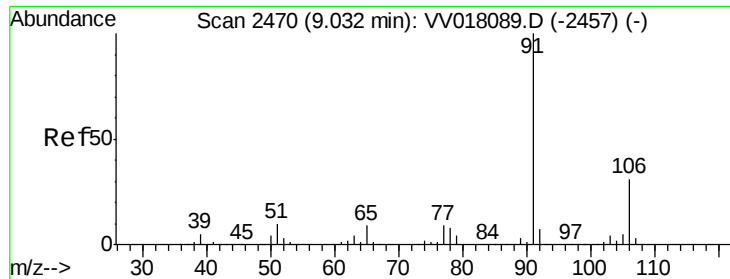
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	67.5	125.4
188	3.8	3.4	5.0



#51
Chlorobenzene
Concen: 52.304 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.7	42.3
77	59.5	49.4	74.2





#52

Ethylbenzene

Concen: 52.545 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

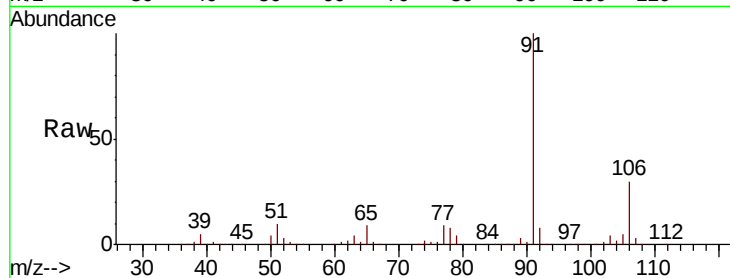
BFB82

Tot Ion: 91 Resp: 494333

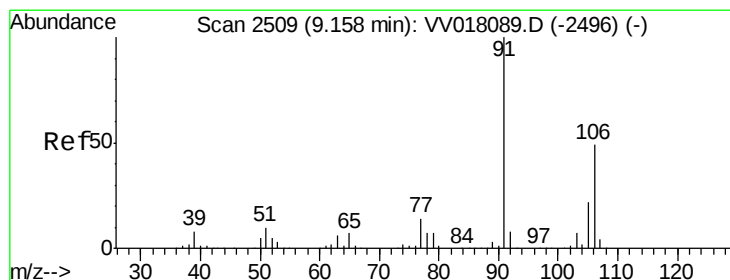
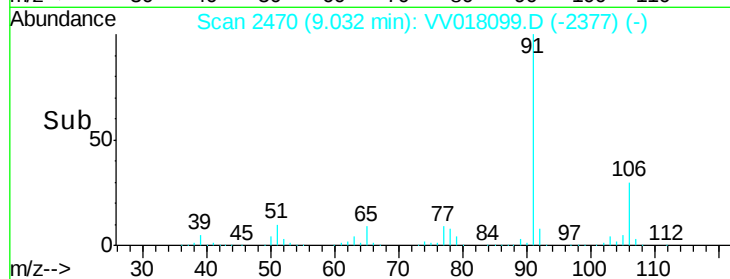
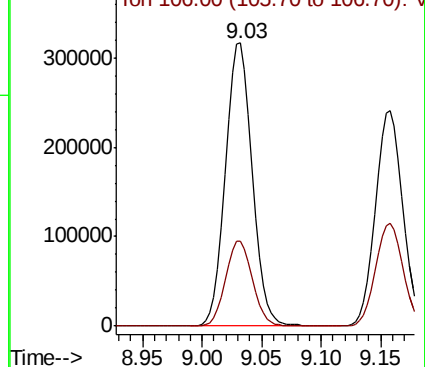
Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018089.D (-2457) (-)



#53

m,p-Xylene

Concen: 53.679 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018099.D

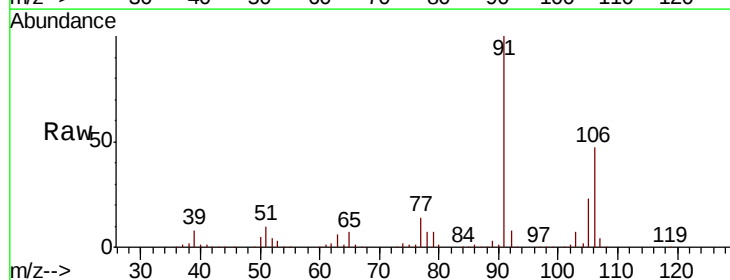
Acq: 26 Aug 2020 09:38

Tgt Ion: 106 Resp: 185738

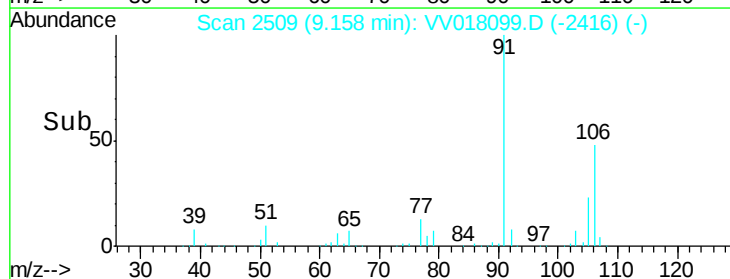
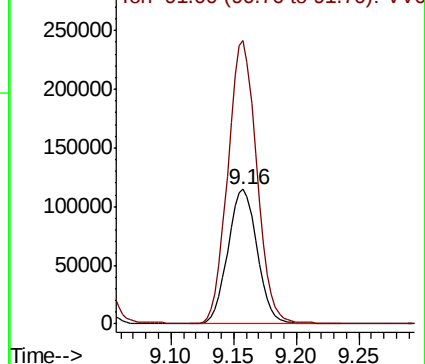
Ion Ratio Lower Upper

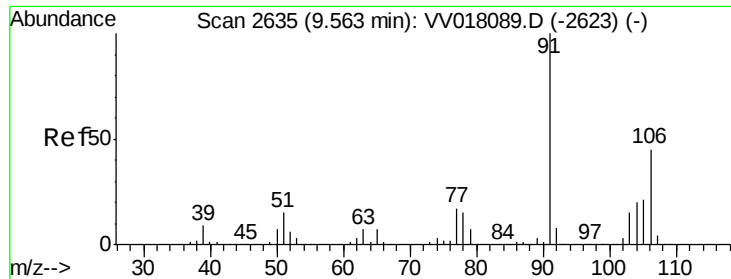
106 100

91 210.7 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018089.D (-2496) (-)

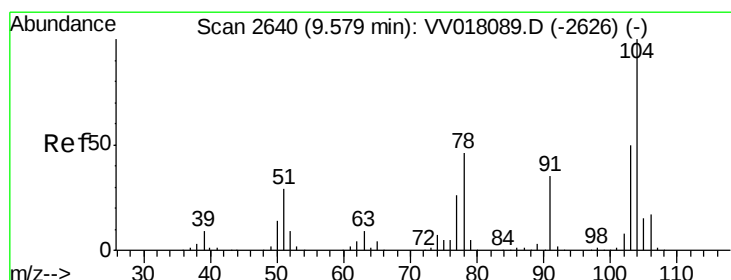
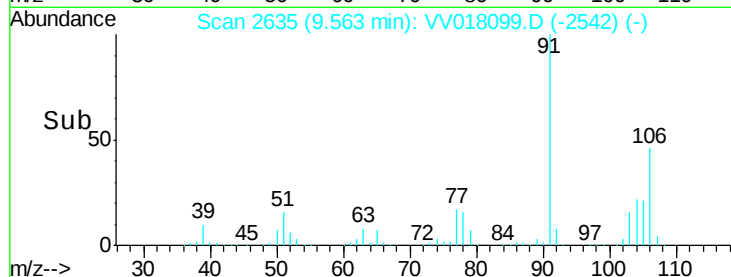
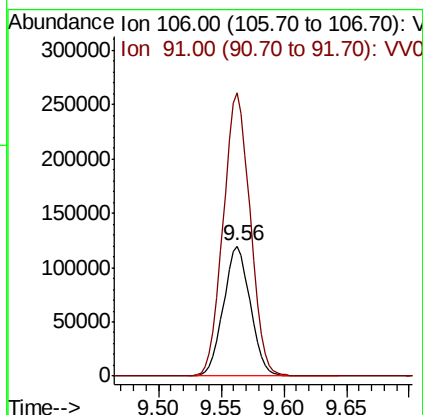
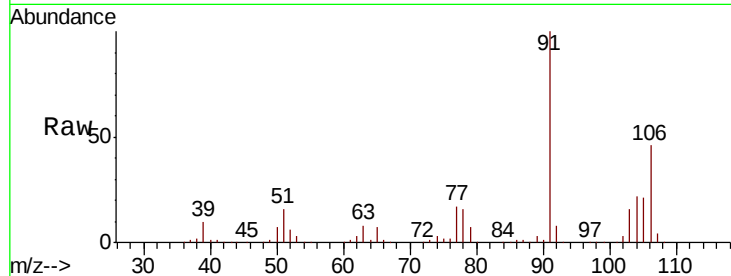




#54
o-xylene
Concen: 51.873 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

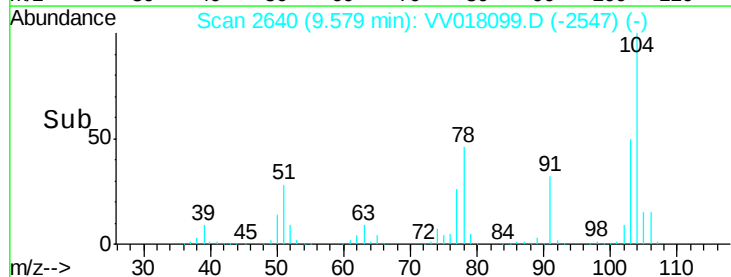
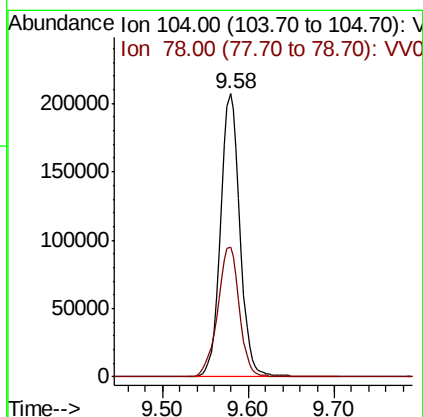
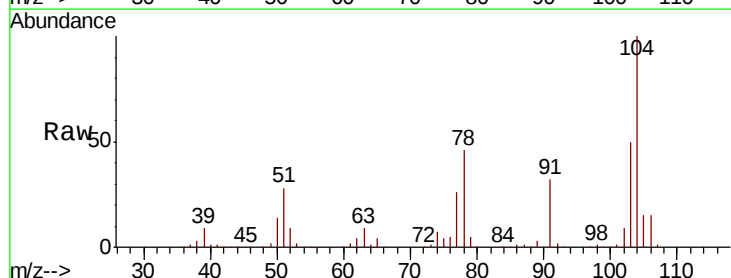
Instrument :
MSVOA_V
ClientSampled :
BFB82

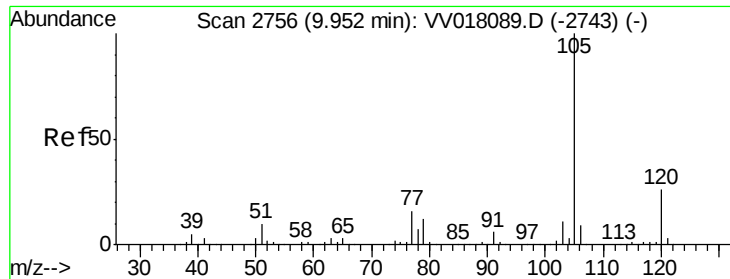
Tot Ion:106 Resp: 177374
Ion Ratio Lower Upper
106 100
91 217.1 156.0 289.8



#55
Styrene
Concen: 55.373 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018099.D
Acq: 26 Aug 2020 09:38

Tgt Ion:104 Resp: 324250
Ion Ratio Lower Upper
104 100
78 45.9 32.2 59.8





#56

Isopropylbenzene

Concen: 53.790 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

BFB82

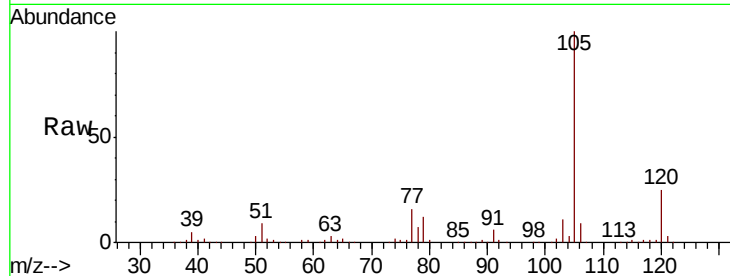
Tot Ion:105 Resp: 485225

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

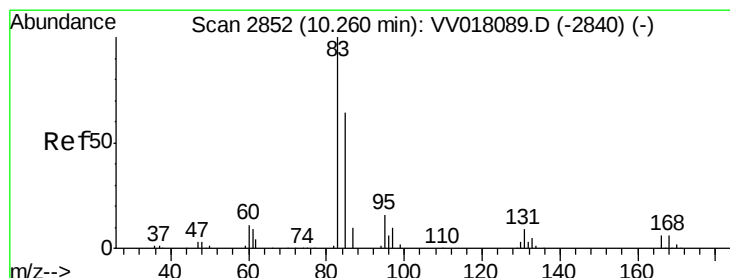
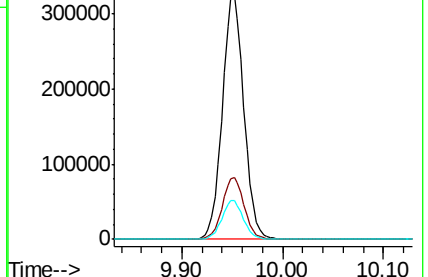
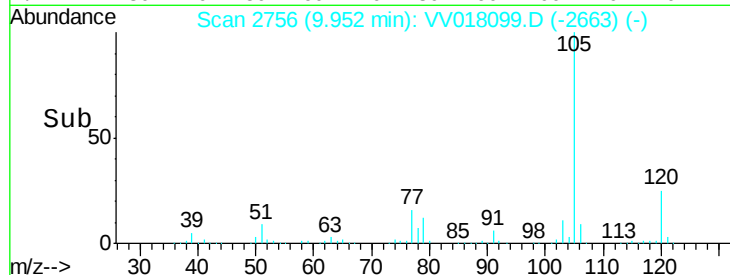
77 15.8 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.328 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

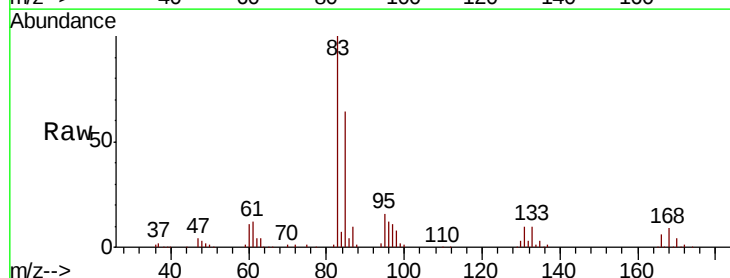
Tgt Ion: 83 Resp: 160408

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

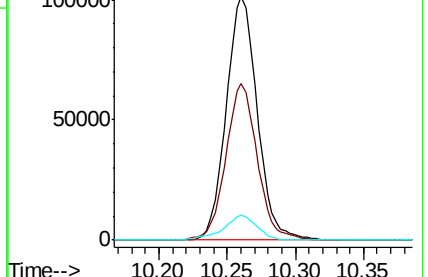
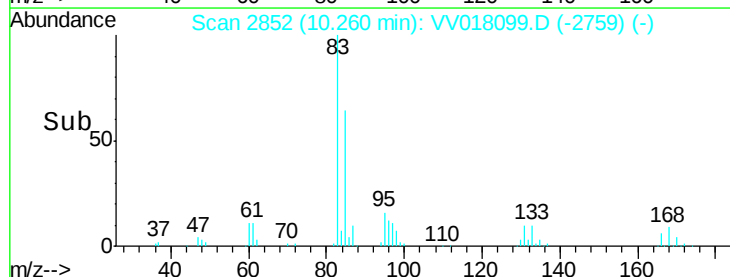
131 9.9 7.8 11.6

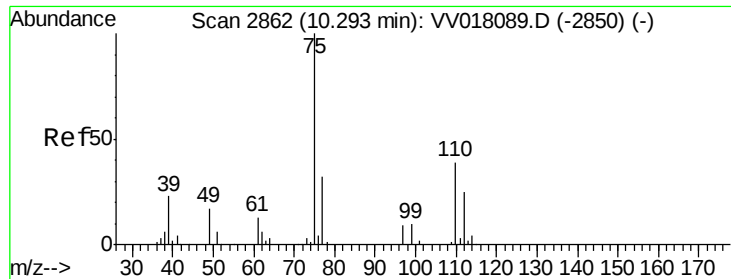


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

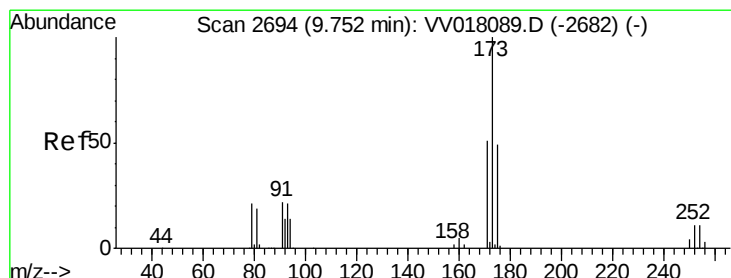
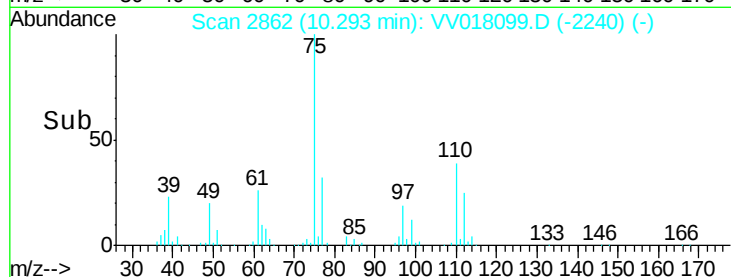
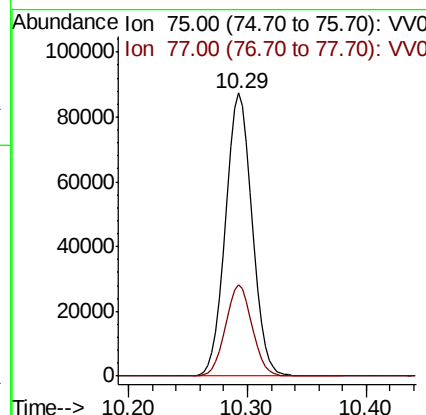
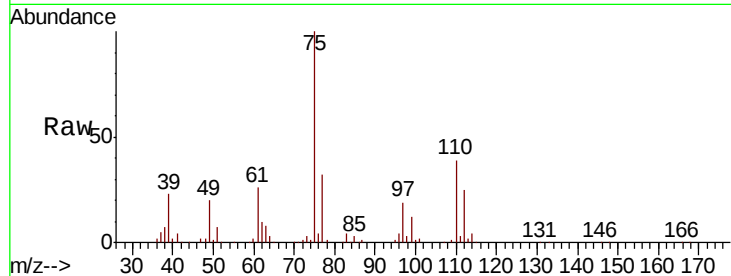




#59
 1,2,3-Trichloropropane
 Concen: 48.702 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

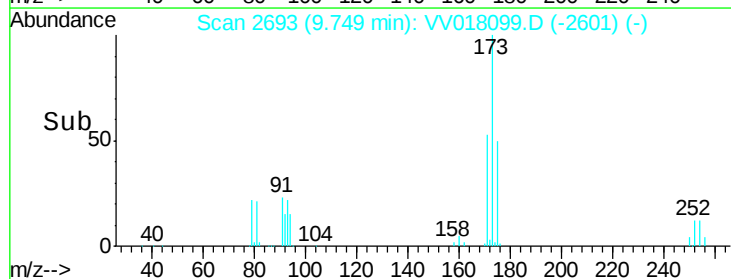
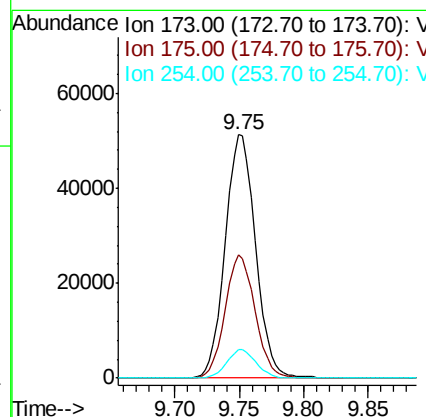
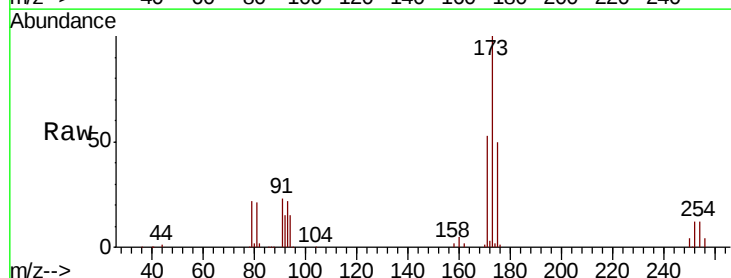
Instrument :
 MSVOA_V
 ClientSampled :
 BFB82

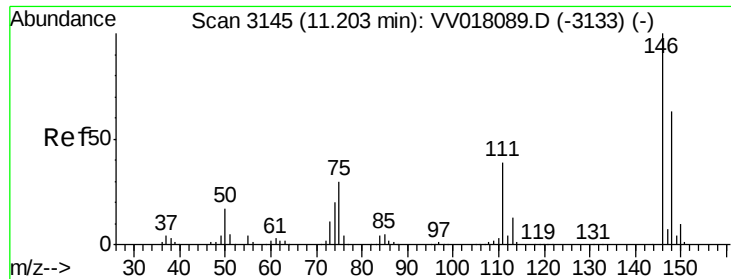
Tot Ion: 75 Resp: 135631
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5



#61
 Bromoform
 Concen: 59.452 ug/L
 RT: 9.75 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

Tgt Ion: 173 Resp: 83932
 Ion Ratio Lower Upper
 173 100
 175 49.6 38.6 57.8
 254 11.3 8.4 12.6

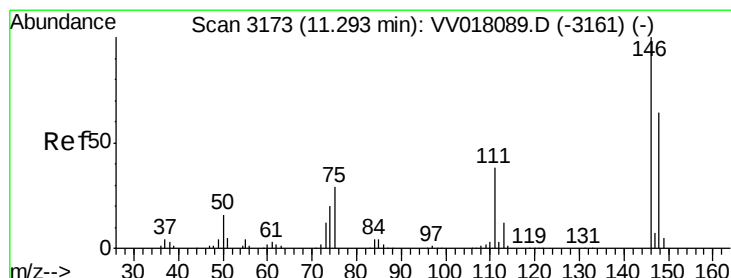
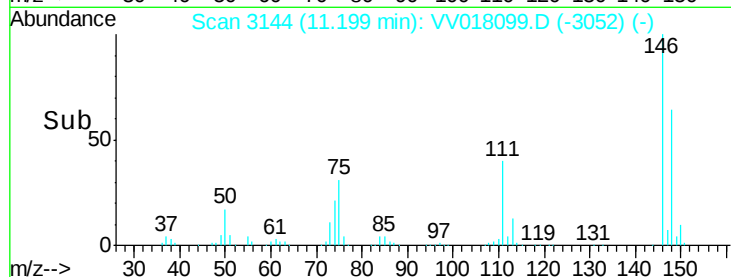
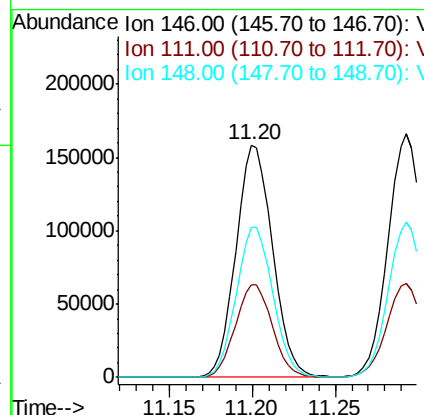
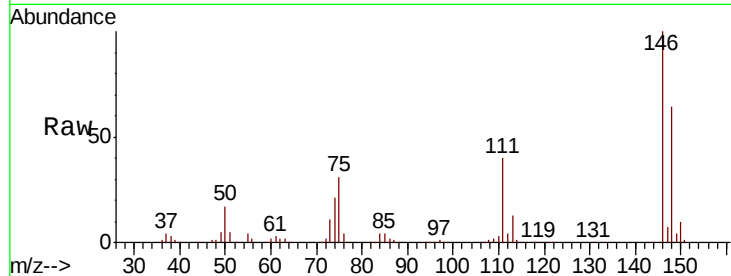




#62
 1,3-Dichlorobenzene
 Concen: 51.569 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

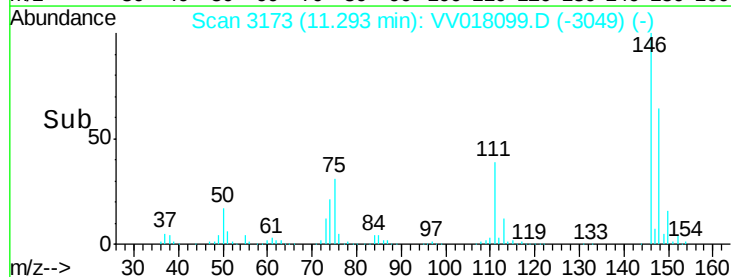
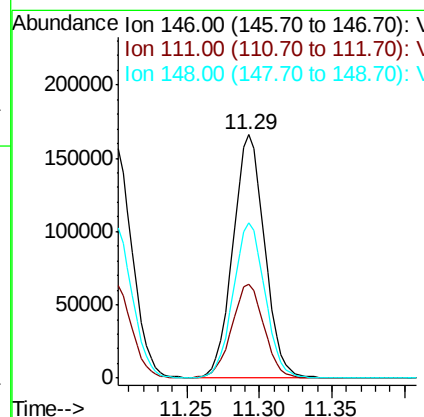
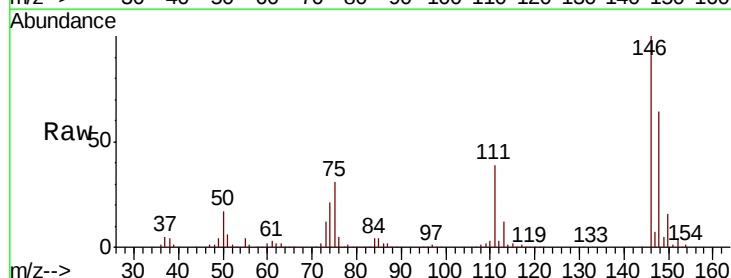
Instrument :
 MSVOA_V
 ClientSampled :
 BFB82

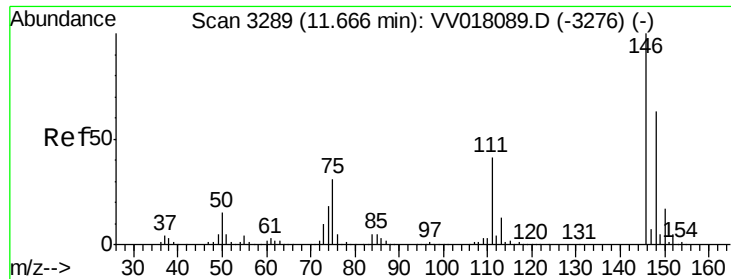
Tot Ion:146 Resp: 244670
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.8 53.4
 148 64.4 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 51.458 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

Tgt Ion:146 Resp: 250805
 Ion Ratio Lower Upper
 146 100
 111 38.6 28.0 52.0
 148 63.7 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 50.207 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

BFB82

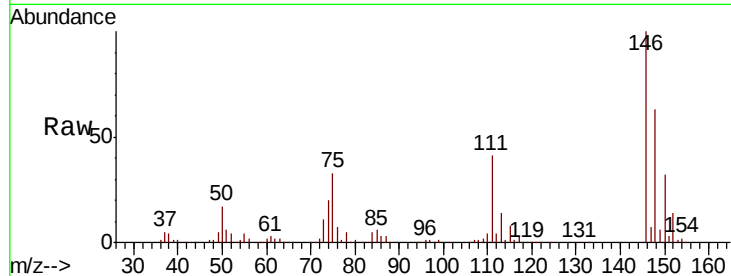
Tot Ion:146 Resp: 245181

Ion Ratio Lower Upper

146 100

111 40.9 34.2 51.4

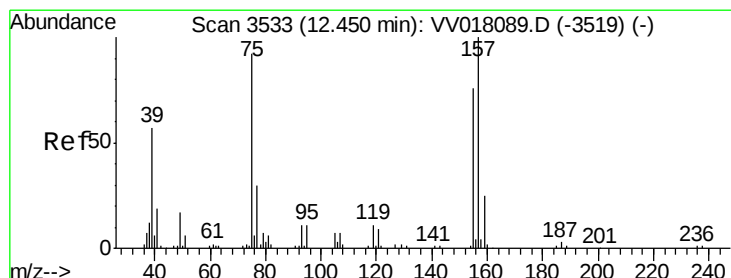
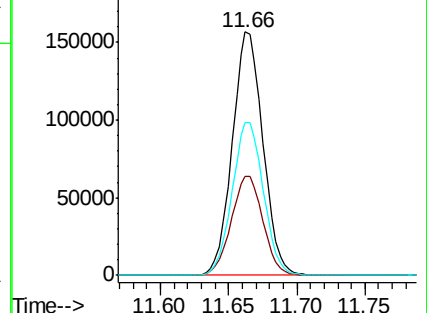
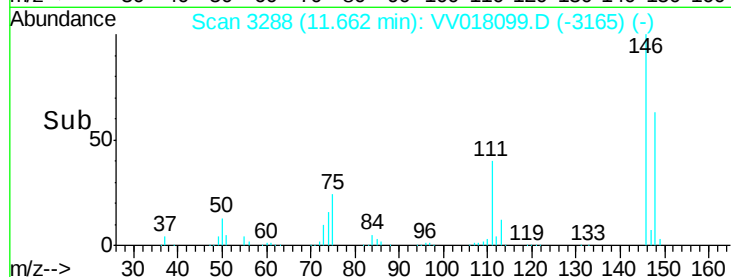
148 63.0 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.454 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

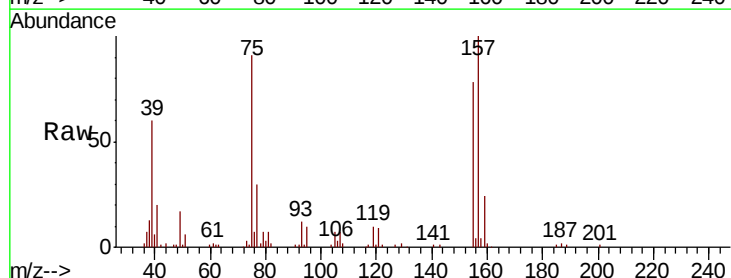
Tgt Ion: 75 Resp: 33424

Ion Ratio Lower Upper

75 100

155 85.1 67.6 101.4

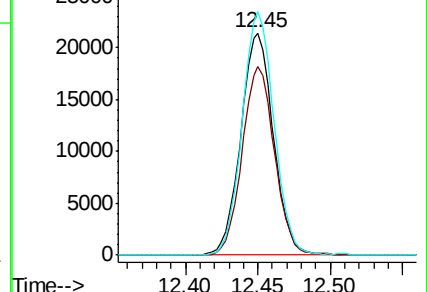
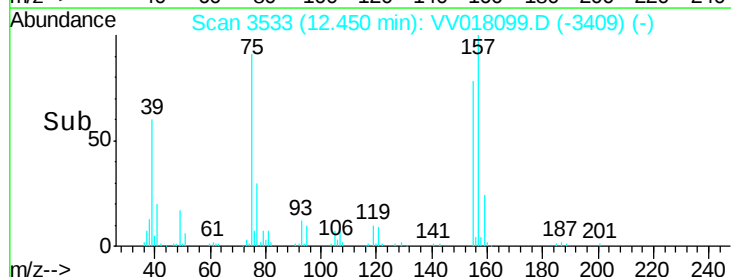
157 109.5 84.3 126.5

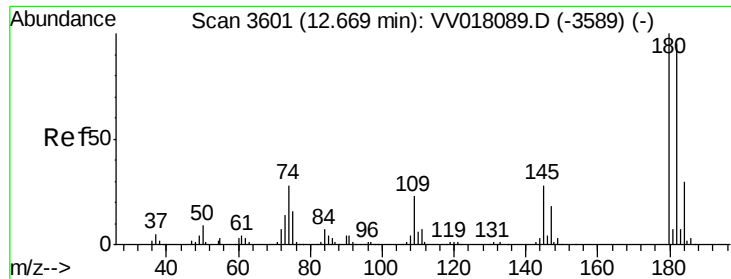


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

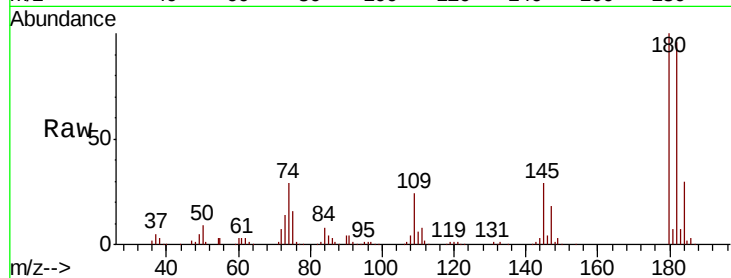




#67
 1,3,5-Trichlorobenzene
 Concen: 53.953 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB82

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.2	115.8
184	30.8	24.6	36.8
145	29.0	23.5	35.3



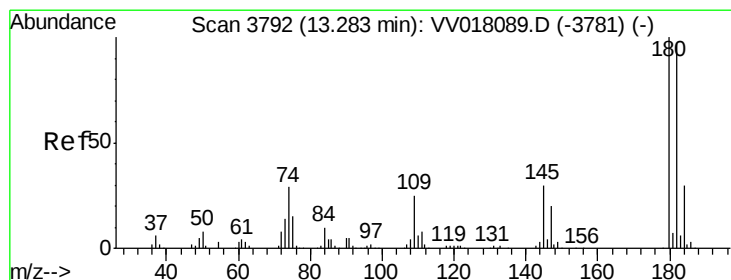
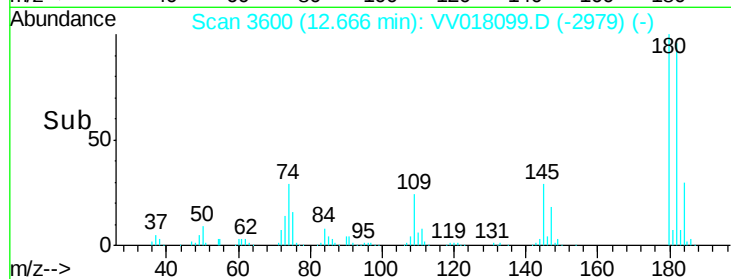
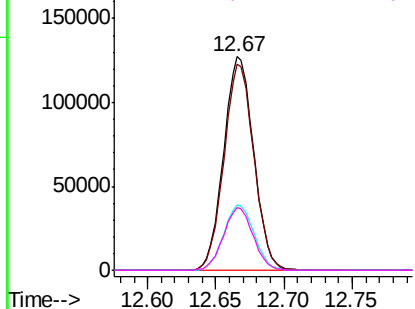
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

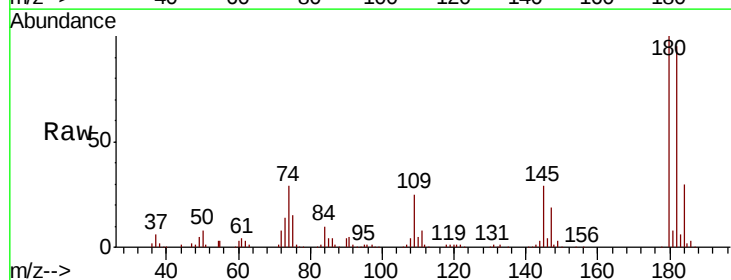
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.100 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018099.D
 Acq: 26 Aug 2020 09:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	29.4	24.0	36.0

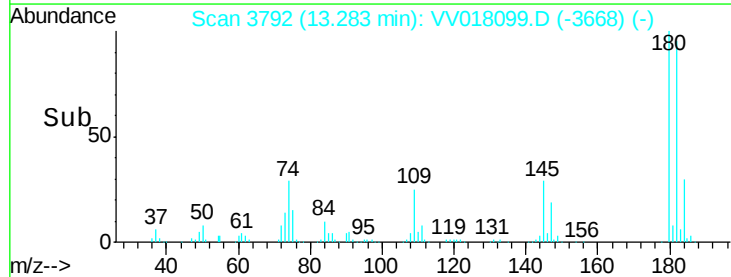
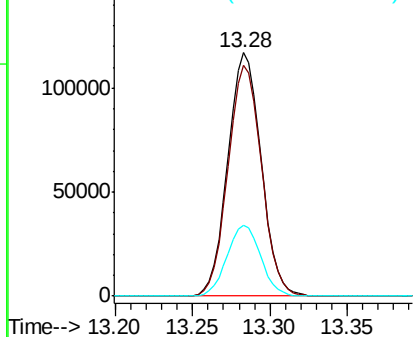


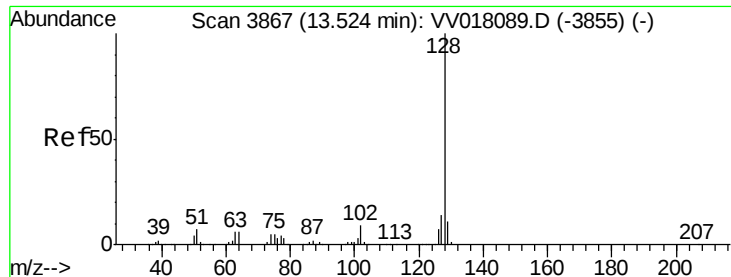
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.263 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

BFB82

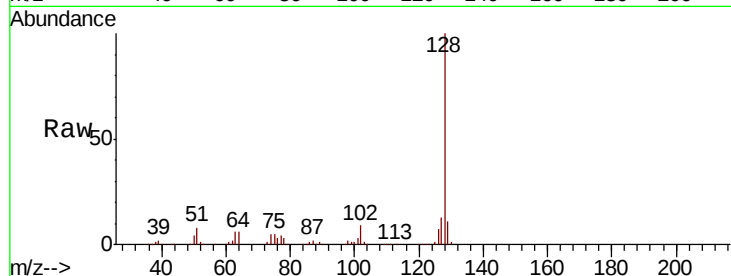
Tot Ion:128 Resp: 438995

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

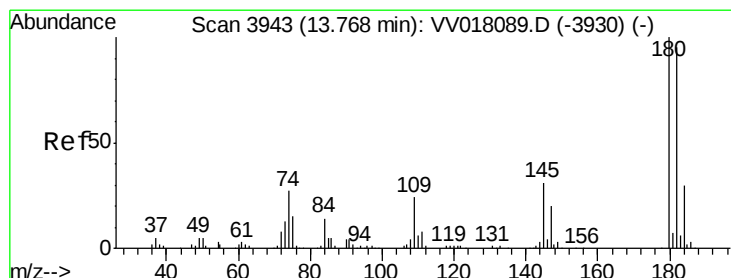
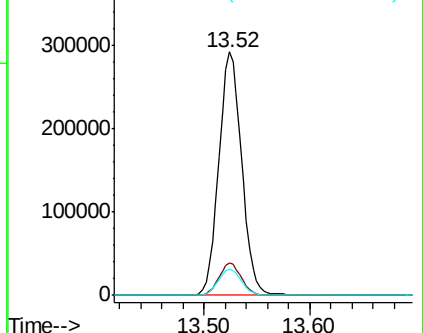
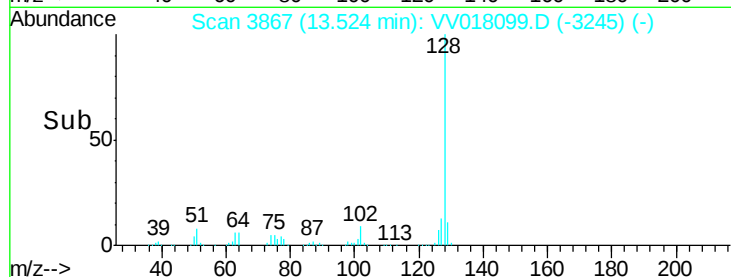
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.311 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018099.D

Acq: 26 Aug 2020 09:38

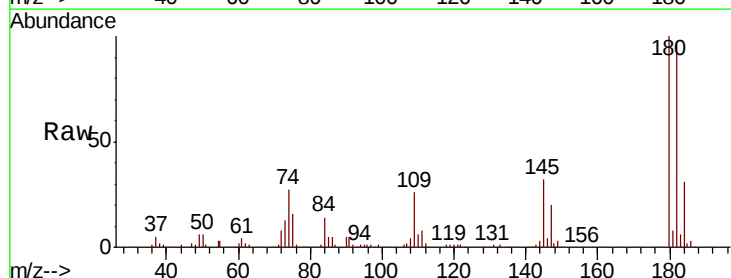
Tgt Ion:180 Resp: 175016

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 31.8 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

